

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ELECTRIC LOGS ☒ WATER SANDS LOCATION INSPECTED SUB. REPORT/abd.

11-23-92 mud log
93032 Commenced Inj. eff. 1-22-93
Confidential Status Expired 1-1-94

DATE FILED 6-19-92

LAND: FEE & PATENTED STATE LEASE NO.

PUBLIC LEASE NO. U-020252-A

INDIAN

DRILLING APPROVED: 6-25-92

SPUDDED IN: 10-24-90

COMPLETED: 12-1-92 SAW PUT TO PRODUCING:

INITIAL PRODUCTION: 30 BOPD, 30 BWPD

GRAVITY A.P.I.

GOR:

PRODUCING ZONES: 4158-4824 (GR)

TOTAL DEPTH: 5740'

WELL ELEVATION: 5267.7 GL

DATE ABANDONED:

FIELD: MONUMENT

UNIT:

COUNTY: DUCHESNE

WELL NO. BALCRON MONUMENT FEDERAL 33-6

API NO. 43-013-31361

LOCATION 1832' FSL FT. FROM (N) (S) LINE. 1829' FEL

FT. FROM (E) (W) LINE. NW SE

1/4 - 1/4 SEC. 6

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
				9S	17E	6	BALCRON OIL



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7860

RECEIVED

JUN 19 1992

DIVISION OF
OIL GAS & MINING

June 18, 1992

-- VIA FEDERAL EXPRESS --

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

Enclosed are Applications for Permit to Drill the following wells in Duchesne County, Utah:

Balcron Monument Federal #11-6
NW NW Section 6, T9S, R17E

Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E

Balcron Monument Federal #42-6
SE NE Section 6, T9S, R17E

Balcron Monument Federal #24-6
SE SW Section 6, T9S, R17E

We have submitted these APDs to the Bureau of Land Management and will provide a copy of the approved Federal APDs when we have received them.

We request that the status of these wells be held tight for the maximum period allowed by State regulations.

If you have any questions or need further information, please let me know.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY

CONFIDENTIAL

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1832' FSL 1829' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles southeast of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,580'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5,267.7'

22. APPROX. DATE WORK WILL START*

8/21/92

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	260'	250 sx "G"
7-7/8"	5-1/2"	15.5#	5,580'	See EXHIBIT

RECEIVED

JUN 19 1992

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM
"E" EVIDENCE OF BOND COVERAGE

"F" ARCHEOLOGY REPORT
"G" RIG LAYOUT
"H" BOPE SCHEMATIC
"I" LOCATION SITE AND ELEVATION
"J" EXISTING ROADS/PLANNED ACCESS (MAPS A & B)
"K" EXISTING WELLS (MAP C)
"L" DRILL PAD LAYOUT

DIVISION OF
OIL, GAS & MINING

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Bobbie Schuman SIGNED Coordinator of Environmental and Regulatory Affairs TITLE June 18, 1992 DATE
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

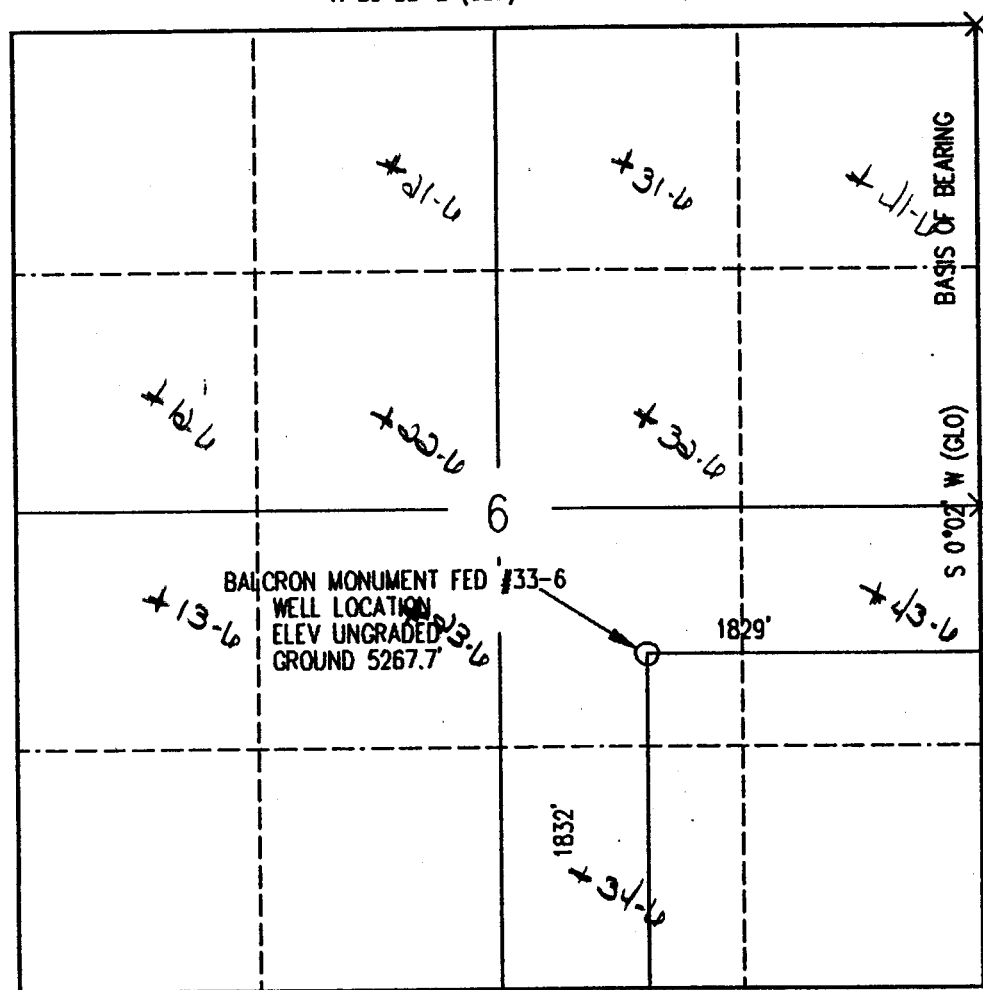
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

~~NORTH (GLO)~~

N 89°58' E (GLO)



N 89°55' E (GLO)

BASIS OF ELEV: U.S.G.S. 7-1/2 min QUAD (MYTON SOUTHEAST)

EQUITABLE RESOURCES ENERGY CO.

WELL LOCATION, BALCRON MONUMENT FED. 33-6,
LOCATED AS SHOWN IN THE NW 1/4 SE 1/4
OF SECTION 6, T9S, R17E, S.L.B. & M,
DUCHESE COUNTY UTAH.



THIS IS TO CERTIFY THAT THE INFORMATION THAT WAS PREPARED FROM FIELD AND AERIAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

ABSTRACT. 3154

REGISTERED LAND SURVEYOR
REGISTRATION NO. 575
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
38 EAST 100 NORTH, VERNAL, UTAH 84078
(801) 781-2501

SCALE: 1" = 1000'	SURVEYED BY: SS KH
DATE: 4/3/92	WEATHER: CLEAR & HOT
NOTES:	FILE # 33-6

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #33-6
NW SE Section 6-T9S-R17E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162-3.1 (d):

1. ESTIMATED IMPORTANT GEOLOGICAL MARKERS:

See Geologic Prognosis (EXHIBIT "C")

2. ESTIMATED DEPTHS OF ANTICIPATED OIL, GAS OR WATER:

See Geologic Prognosis (EXHIBIT "C")

3. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

- a. EXHIBIT "H" is a schematic of the BOP equipment and choke manifold. A 2M system will be used. The BOPE will be installed after setting 8-5/8" casing at 260'. The blind rams and pipe rams will be tested to 1500 psi. The annular preventer will be tested to 500 psi. Pipe rams will be operationally checked each 24-hour period and blind rams each time pipe is pulled out of the hole.
- b. The BOPE will be tested to 1500 psi when initially installed, whenever any seal subject to test pressure is broken, and following related repairs. The pipe and blind rams will be activated at least weekly and on every trip the pipe and blind rams will be activated.
- c. An accumulator of sufficient capacity to open the hydraulically-controlled choke valve lines (if so equipped), close all rams plus the annular preventer, and retain a minimum of 200 psi above precharge on the closing manifold without the use of the closing unit pumps will be installed during the drilling of this well.
- d. An upper kelly cock will be used during the drilling of this well.
- e. Visual mud monitoring equipment will be used to detect volume changes indicating loss or gain in circulating fluid volume.
- f. Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control.

4. PROPOSED CASING AND CEMENTING PROGRAM:

- a. Surface casing will be set in the Duchesne River formation to approximately 260' and cemented to surface.
- b. All potentially productive hydrocarbon zones will be isolated.
- c. Casing designs are based on factors of burst: 1.25, collapse: 1.125, and joint strength: 1.8.
- d. All casing strings will be pressure tested to 0.22 psi/ft. of casing string length or 1500 psi whichever is greater (not to exceed 70% of yield).
- E. For details of casing, cement program, drilling fluid program, and proposed mud program, see the following two attachments:

Drilling Program (EXHIBIT "D")
Geologic Prognosis (EXHIBIT "C")

5. HAZARDOUS PRESSURES, TEMPERATURES, FLUIDS/GASSES EXPECTED:

- a. Expected bottom hole temperature is 125 degrees F. Expected bottom hole pressure is 1500 psi.
- b. No abnormal pressures or temperatures have been noted or reported in wells drilled to the Green River formation in this area.
- c. No dangerous levels of hydrogen sulfide, hazardous fluids, or gasses have been found, reported, or known to exist at the depth to be drilled in this well, in this area.

6. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

- a. The drilling operations for this well will begin as soon as the BLM approves all requirements included in this APD.
- b. These drilling operations should be completed within 12 days after spudding the well depending on weather conditions.
- c. If the well is productive, a sundry notice and plat showing exact installed facilities will be submitted.
- d. If this well is non-productive, a sundry notice will be filed with the BLM District Office within 30 days following completion of the well for abandonment.

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E
Duchesne County, Utah

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for 10.4 miles. Turn right onto lease road and go 0.2 miles. Turn left on lease road and go 0.9 miles to tee. Turn right at the tee and go 0.3 miles to the location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "J" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "J" Maps A & B

- a. Length: Approximately 0.25 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: 2%
- d. Turnouts: None
- e. Drainage design: This will be a barrow ditch on cut side.
- f. No culverts or bridges will be required. There are no cuts and/or fills on or along the proposed access road route.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.
- i. Access road route has been centerline-flagged.

- j. All travel will be confined to location and access routes.
- k. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. This shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. If necessary prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Road drainage crossings will be of the typical dry creek draining crossing type. Crossings, if necessary, will be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading will not be done during muddy conditions. Should mud holes develop, they will be filled in and detours around them will be avoided.

- l. No right-of-way applications are needed for this road.

3. LOCATION OF EXISTING WELLS:

See EXHIBIT "K" Map C.

- a. Water wells: none
- b. Abandoned wells: one
- c. Temporarily abandoned wells: none
- d. Disposal wells: none
- e. Drilling wells: none
- f. Producing wells: twenty one
- g. Shut-in wells: one
- h. Injection wells: none

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted. Production tanks and treaters will be located off of the wellpad and out of the flood plain.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.

5. LOCATION AND TYPE OF WATER SUPPLY:

- a. The drilling water source will be obtained from a private pond in Pleasant Valley owned by Keith Hickens, Myton, Utah.
- b. The drilling water will be hauled by truck to the location site by Dalbo.

6. CONSTRUCTION ROAD/LOCATION MATERIALS:

- a. Any construction materials which are required will be native materials from the location and/or access site.
- b. Additional construction material needed for erosion control (rip-rap) will be hauled in from an outside source.
- c. Reasonable precautions will be taken to protect all lands.

7. METHODS FOR HANDLING WASTE MATERIALS AND DISPOSAL:

- a. Garbage will be stored in a dumpster and disposed of according to local and state regulations, at an approved facility. Disposal will not be allowed on location. No trash will be disposed of in the reserve pit.
- b. Fluids produced during the completion operation will be collected in test tanks. Any spills of oil, gas, salt water or other noxious fluids will be cleaned up and hauled to an approved disposal site. Burning will not be allowed.
- c. The reserve pit will be lined. Plastic nylon reinforced liner will be torn and perforated before backfilling of the reserve pit.
- d. Saltwater or testing tanks will be located and/or diked so that any spilled fluids will flow into the reserve pit. Saltwater tanks will not be placed on topsoil stockpiles.
- e. Any produced water will be contained on site for a period not to exceed 90 days.
- f. Sewage will be disposed of according to county and state requirements. Sealed chemical portable toilets will be on location during these drilling operations. Waste and chemicals will not be disposed of on location.
- g. Cuttings will be deposited in the reserve pit.

8. ANCILLARY FACILITIES:

None anticipated.

9. LOCATION SITE LAYOUT:

- a. The proposed location site and elevation plat is shown on EXHIBIT "I".
- b. The drill pad layout, showing elevations, orientation, and access to the pad is shown on EXHIBIT "L".
- c. The drilling rig facilities layout is shown on EXHIBIT "G". No permanent living facilities are planned. There will be two or three trailers on location during drilling operations.
- d. The reserve pit and the blooie pit will be constructed as a combination pit capable of holding 12,000 bbls of fluid. The size of the pit will be approximately equivalent to four times the TD hole volume. The blooie pit might be used for testing, but only after the drilling is completed and the drilling equipment and personnel are off the location.
- e. The reserve pit will be located on the NW side of the location. It will be constructed long and narrow for topographic reasons.
- f. Flare pit will be located downwind of the prevailing wind directions at pit corner C a minimum of 100' from the wellhead and 30' from the reserve pit fence.
- g. Stockpiled topsoil (first 6 inches) will be stored on the SW between Corner #2 and Corner #3.
- h. Access to the wellpad will be from the NE between Corner #7 and Corner #8.
- i. Diversion ditch(es) shall be constructed on the SW and NW sides of the location between the reserve pit and existing drainage.
- j. The drainage(s) shall be diverted around the west side around corner A.
- k. All pits will be fenced according to the following minimum standards:
 - a. 39-inch net wire will be used with at least one strand of barbed wire on top of the net wire unless pipe or some type of reinforcement rod is attached to the top of the entire fence.
 - b. The net wire shall be no more than 2 inches above the ground. If barbed wire it shall be 3 inches above the net wire. Total height of fence will be at least 42 inches.
 - c. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the corner braces. Maximum distance between any two posts will be no greater than 16'.

- d. All wire will be stretched before it is attached to the corner posts.

The reserve pit will be fenced on three sides during drilling operations and on the fourth side when the rig moves off locations. Pits will be fenced and maintained until clean-up.

10. PLANS FOR RECLAMATION OF LOCATION SITE:

The BLM will be contacted prior to commencement of any reclamation operations.

Producing location:

- a. Immediately upon well completion, the location and surrounding areas will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used, it will be torn and perforated before backfilling of the reserve pit.
- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion. Before any dirt work takes place, the reserve pit will have all fluids and hydrocarbons removed and all trash will be removed.

Dry hole/abandoned location:

At such time as the well is plugged and abandoned, operator will submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.

11. SURFACE OWNERSHIP:

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

12. OTHER INFORMATION:

- a. See EXHIBIT "F" which is the Archeology Survey.
- b. If unexpected cultural resources are observed during construction or reclamation operations, Equitable Resources Energy Company's Balcron Oil division will suspend operations in the vicinity of the discovery and immediately report the finding to the BLM District Office.

- c. Evidence of bond coverage is included in this report, see EXHIBIT "E".
- d. Operator will have on site a copy of the Surface Use Program and a copy of the supplemental conditions.
- e. Drilling operations will be conducted in accordance with the Bureau of Land Management conditions of approval when received.

13. OPERATOR'S REPRESENTATIVES:

Balcron Oil, a division of Equitable Resources Energy Company
1601 Lewis Avenue
P.O. Box 21017
Billings, Montana 59104
(8:00 a.m. to 5:00 p.m.)
(406) 259-7860
FAX: (406) 245-1361

Dave McCoskery, Drilling Engineer Home: (406) 248-3864

Mike Perius, Operations Supervisor Home: (406) 656-9719

14. CERTIFICATION:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that any statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Balcron Oil, a division of Equitable Resources Energy Company, and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

June 18, 1992
Date

Bobbie Schuman
Bobbie Schuman
Coordinator of Environmental and
Regulatory Affairs
BALCRON OIL division of Equitable
Resources Energy Company

6/17/92
/rs

BALCRON OIL COMPANY

Geologic Prognosis

EXPLORATORY
DEVELOPMENT X

WELL NAME: Federal #33-6 PROSPECT/FIELD: Monument Butte
 LOCATION: 1832' FSL, 1829' FEL SECTION NWSE 6 TOWNSHIP 9S RANGE 17E
 COUNTY: Duchesne STATE: UT GL(Ung): 5268' EST KB: 5279' TOTAL DEPTH 5580'

FORM. TOPS:

Prognosis			Sample Top			Cnll Wl.			Prognosis			Sample Top			Cnll		
Formation	Depth	Datum	Depth	Datum	Datum	Formation	Depth	Datum	Depth	Datum	Datum	Formation	Depth	Datum	Depth	Datum	Datum
KB	5279				5337												
Duchesne	Surf.																
Green River	1412	3867			3837												
Horseshoe Bench	2212	3067			3037												
Pay #1	4192	1087			1057												
Douglas Creek	4642	637			607												
Pay #2	4651	628			598												
Pay #3	4725	554															
Pay #4	4824	455			425												
Pay #5	5144	135			105												
Wasatch Tongue	5500	221			NDE												
T.D.	5580																

CONTROL WELL: Allen Federal #32-6 dir/oil: SWNE Section 6 Township 9S Range 17E

SAMPLES:

_____, samples, _____, to _____
 _____, samples, _____, to _____
 _____, samples, _____, to _____
 _____, samples, _____, to _____
 _____, samples, _____, to _____
 _____, samples, _____, to _____

Send Samples To: _____

LDGS:

_____, from _____, to _____
 _____, from _____, to _____
 _____, from _____, to _____
 _____, from _____, to _____
 _____, from _____, to _____
 _____, from _____, to _____
 _____, from _____, to _____

CORES:

None

DRILL STEM TESTS:

None

MUD LOGGER/HOT WIRE:

Required: (Yes/No) Yes
 Type: One Man Unit

WELLSITE GEOLOGIST:

From _____, to _____
 Name: _____ Tele. # (_____) _____
 Address: _____

COMMENTS:

PREPARED BY: Steve W. VanDelinder and
Keven K. Reinschmidt

DATE: 5-7-92

**BALCRON OIL
DRILLING PROGRAM**

WELL NAME: Balcron Monument Butte PROSPECT/FIELD: Monument Butte
Federal # 33-6

LOCATION: NW SE Sec 6 Twn 9S Rge 17E

COUNTY: Duchesne

STATE: Utah

TOTAL DEPTH: 5580'

HOLE SIZE INTERVAL

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=====
12 1/4"  Surf to 260'
7 7/8"   260' to 5580'
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CASING	INTERVAL		CASING		
STRING TYPE	FROM	TO	SIZE	WEIGHT	GRADE
Surface	0'	260'	8 5/8"	24 #/FT	J-55
Production	0'	5580'	5 1/2"	15.50#/Ft	J-55

All casing will be ST&C, 8RD, New

CEMENT PROGRAM

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=====
Surface      250 sacks class "G" with 3% CaCl.
              (Note: Volumes are 100% excess.)

Production   250 sacks Haliburton Hifill with 10 #/SK
              Gilsonite tailed with 180 sacks 50/50 Poz with
              0.3% CFR-3, 1/4 #/Sk Flocele, 0.5% Halad-24, and
              10% salt.
              (Note: Actual volumes will be calculated from
              caliper log.)
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**PRELIMINARY
DRILLING FLUID PROGRAM**

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TYPE	FROM	TO	WEIGHT	PLAS. VIS	YIELD POINT
Fresh Gel/Native Mud	Surf	260	8.5	NA	NA
Fresh Gel (LSND)	260'	5580'	8.7-8.9	10-12	12-14

COMMENTS

- 1.) No cores or DSTs are planned .

DMM
5/14/92



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
MONTANA STATE OFFICE
222 NORTH 32ND STREET
P.O. BOX 36800
BILLINGS, MONTANA 59107-6800



IN REPLY TO:

MTM 12619-A et al
BLM BOND NO. MT0576
(922.31)

April 25, 1989

NOTICE

Equitable Resources Energy Company
P. O. Box 21017
Billings, Montana 59104

OIL AND GAS

CORPORATE MERGER RECOGNIZED
RIDER TO NATIONWIDE BOND ACCEPTED

Acceptable evidence has been filed in this office concerning the merger of Balcron Oil Company into Equitable Resources Energy Company, the surviving corporation. Information provided shows that Balcron Oil Company merged into Equitable Resources Energy Company, changing the former entity's name to Balcron Oil, a Division of Equitable Resources Energy Company. Please note that Divisions cannot hold leases, therefore, after consultation with Balcron Oil, this office is recognizing only the merger action.

A rider was filed on April 20, 1989, to be made a part of \$150,000 Nationwide Oil and Gas Bond No. 5547188 (BLM Bond No. MT0576) with Balcron Oil Company as principal and Safeco Insurance Company of America as surety. By means of this rider, the surety consents to changing the name on the bond from Balcron Oil Company to Equitable Resources Energy Company. The rider is accepted effective April 20, 1989.

For our purposes, the merger is recognized effective April 20, 1989.

The oil and gas lease files and communitization agreement files identified on the enclosed Exhibit A have been noted as to the merger. Other lease interests will be transferred by assignments from Ballard & Cronoble to Equitable Resources Energy Company.

Cynthia L. Embretson
Cynthia L. Embretson, Chief
Fluids Adjudication Section

1 Enclosure
1-Exhibit A

cc: (w/encl.)
AFS, Denver (1)
All DMS (1 ea.)
RMO Section (1)
Regional Forester, Lakewood (2)
Regional Forester, Missoula (2)
Bureau of Reclamation (1)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STATE, NATIONWIDE, OR NATIONAL PETROLEUM RESERVE
IN ALASKA OIL AND GAS BOND

Act of February 25, 1920 (30 U.S.C. Sec. 181)

Act of August 7, 1947 (30 U.S.C. Sec. 351)

Department of the Interior Appropriations Act, Fiscal Year 1981 (P.L. 96-514)

Other Oil and Gas Leasing Authorities as Applicable

KNOW ALL MEN BY THESE PRESENTS, That we
BALCRON OIL COMPANY
of 1601 Lewis Avenue, Billings, MT 59104

as principal, and
SAFECO INSURANCE COMPANY OF AMERICA
of 111 Presidential Blvd., Suite 231, Bala Cynwyd, PA 19004

as surety, are held and firmly bound unto the United States of America in the sum of ONE HUNDRED FIFTY THOUSAND AND 00/100-----dollars (\$ 150,000.00), in lawful money of the United States, which sum may be increased or decreased by a rider hereto executed in the same manner as this bond, for the use and benefit of (1) the United States; (2) the owner of any of the land subject to the coverage of this bond, who has a statutory right to compensation in connection with a reservation of the oil and gas deposits to the United States; and (3) any lessee or permittee under a lease or permit issued by the United States prior to the issuance of an oil and gas lease for the same land subject to this bond, covering the use of the surface or the prospecting for, or development of, other mineral deposits in any portion of such land, to be paid to the United States. For such payment, well and truly to be made, we bind ourselves, and each of our heirs, executors, administrators, and successors, jointly and severally.

- ☐ The coverage of this bond shall extend to all of the principal's holdings of federal oil and gas leases in the United States, including Alaska, issued or acquired under the Acts cited in Schedule A.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases issued or acquired under the Acts cited and in the States named in Schedule A and to any other State or States that may be named in a rider attached hereto by the lessor with the consent of the surety.
- ☐ The coverage of this bond extends only to the principal's holdings of federal oil and gas leases within the National Petroleum Reserve in Alaska.

SCHEDULE A

Mineral Leasing Act of February 25, 1920 (30 U.S.C. Sec. 181), Acquired Lands Leasing Act of August 7, 1947 (30 U.S.C. Sec. 351), and other oil and gas leasing authorities as applicable.

NAMES OF STATES

ALL STATES

The conditions of the foregoing obligations are such that, whereas the said principal has an interest in oil and gas leases issued under the Acts cited in this bond: (1) as lessee; (2) as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; or (3) as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, ex-

tract, remove, and dispose of oil and gas deposits in or under the lands covered by the leases, operating agreements or designations and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal and surety agree that without notice to the surety the coverage of this bond, in addition to the present holdings of the principal, shall extend to and include:



SURETY RIDER

SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
FIRST NATIONAL INSURANCE COMPANY
OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

To be attached to and form a part of

Type of Bond: Nationwide Oil and Gas Lease Bond

Bond No. 5547188 (BLM Bond No. MT0576)

dated effective 9/8/88

(MONTH, DAY, YEAR)

executed by BALCRON OIL COMPANY

(PRINCIPAL)

, as Principal,

and by SAFECO INSURANCE COMPANY OF AMERICA

(SURETY)

, as Surety,

in favor of UNITED STATES DEPARTMENT OF THE INTERIOR, BUREAU OF LAND
(OBLIGEE) MANAGEMENT

In consideration of the mutual agreements herein contained the Principal and the Surety hereby consent to changing

The name of the Principal

From: BALCRON OIL COMPANY

To: EQUITABLE RESOURCES ENERGY COMPANY

Nothing herein contained shall vary, alter or extend any provision or condition of this bond except as herein expressly stated.

This rider is effective 1/1/89

(MONTH, DAY, YEAR)

Signed and Sealed 4/10/89

(MONTH, DAY, YEAR)

EQUITABLE RESOURCES ENERGY COMPANY

PRINCIPAL

By: _____ TITLE

SAFECO INSURANCE COMPANY OF AMERICA

SURETY

By: R. George Voinchet

ATTORNEY-IN-FACT



POWER
OF ATTORNEY

SAFECO INSURANCE COMPANY OF AMERICA
GENERAL INSURANCE COMPANY OF AMERICA
HOME OFFICE: SAFECO PLAZA
SEATTLE, WASHINGTON 98185

3798

No. _____

KNOW ALL BY THESE PRESENTS:

That SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA, each a Washington corporation, does each hereby appoint

-----THOMAS L. VE HAR; R. GEORGE VOINCHET, Pittsburgh, Pennsylvania-----

its true and lawful attorney(s)-in-fact, with full authority to execute on its behalf fidelity and surety bonds or undertakings and other documents of a similar character issued in the course of its business, and to bind the respective company thereby.

IN WITNESS WHEREOF, SAFECO INSURANCE COMPANY OF AMERICA and GENERAL INSURANCE COMPANY OF AMERICA have each executed and attested these presents

this 4th day of September, 19 87.

CERTIFICATE

Extract from the By-Laws of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA:

"Article V, Section 13. — FIDELITY AND SURETY BONDS . . . the President, any Vice President, the Secretary, and any Assistant Vice President appointed for that purpose by the officer in charge of surety operations, shall each have authority to appoint individuals as attorneys-in-fact or under other appropriate titles with authority to execute on behalf of the company fidelity and surety bonds and other documents of similar character issued by the company in the course of its business . . . On any instrument making or evidencing such appointment, the signatures may be affixed by facsimile. On any instrument conferring such authority or on any bond or undertaking of the company, the seal, or a facsimile thereof, may be impressed or affixed or in any other manner reproduced; provided, however, that the seal shall not be necessary to the validity of any such instrument or undertaking."

Extract from a Resolution of the Board of Directors of SAFECO INSURANCE COMPANY OF AMERICA
and of GENERAL INSURANCE COMPANY OF AMERICA adopted July 28, 1970.

"On any certificate executed by the Secretary or an assistant secretary of the Company setting out,

(i) The provisions of Article V, Section 13 of the By-Laws, and

(ii) A copy of the power-of-attorney appointment, executed pursuant thereto, and

(iii) Certifying that said power-of-attorney appointment is in full force and effect,

the signature of the certifying officer may be by facsimile, and the seal of the Company may be a facsimile thereof."

I, Boh A. Dickey, Secretary of SAFECO INSURANCE COMPANY OF AMERICA and of GENERAL INSURANCE COMPANY OF AMERICA, do hereby certify that the foregoing extracts of the By-Laws and of a Resolution of the Board of Directors of these corporations, and of a Power of Attorney issued pursuant thereto, are true and correct, and that both the By-Laws, the Resolution and the Power of Attorney are still in full force and effect.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the facsimile seal of said corporation

this 10th day of April, 19 89.



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

May 26, 1992

Subject: CULTURAL RESOURCE EVALUATIONS OF FOUR PROPOSED
WELL LOCATIONS IN THE CASTLE PEAK DRAW LOCALITY
OF DUCHESNE COUNTY, UTAH

Project: BALCRON OIL CO. -- 1992 Development
Program for Units 11-6, 24-6, 33-6, and 42-6

Project No.: BLCR-92-2

Permit No.: Dept. of Interior -- UT-92-54937

Utah State Project No.: UT-92-AF- 228 b

To: Ms. Bobbie Schuman, Balcron Oil Co., P.O. Box 21017,
Billings Montana 59104

Mr. David Little, District Manager, Bureau of Land
Management, 170 South 500 East, Vernal, Utah 84078

Info: Antiquities Section, Division of State History, 300 Rio
Grande, Salt Lake City, Utah 84101

CULTURAL RESOURCE EVALUATIONS
OF FOUR PROPOSED WELL LOCATIONS
(UNITS 11-6, 24-6, 33-6, and 42-6)
IN THE CASTLE PEAK DRAW LOCALITY OF
DUCHESNE COUNTY, UTAH

REPORT PREPARED FOR BALCRON OIL COMPANY

Dept. of Interior Permit No.: UT-92-54937
Utah State Project No.: UT-92-AF-228b
AERC PROJECT 1324 (BLCR-92-2)

Principal Investigator & Author of Report
F. Richard Hauck, Ph.D.



Report Prepared by the
ARCHEOLOGICAL-ENVIRONMENTAL RESEARCH
CORPORATION (AERC)

P.O. Box 853
Bountiful, Utah 84011-0853

May 26, 1992

ABSTRACT

Intensive cultural resource evaluations have been conducted for Balcron Oil Company on the proposed Federal Well locations 11-6, 24-6, 33-6, and 42-6 in the Castle Peak Draw locality of Duchesne County, Utah. This series of well locations involved 10 acre survey areas. Access route corridors were also evaluated measuring ca. 30 meters in width for a total of ca. .87 mile in length. Thus, ca. 50.5 acres of public lands in the locality were examined by R. Beaty of AERC on May 21 and 22, 1992.

One significant cultural resource activity locus was identified and recorded during the examination. This site has been designated as 42DC 732 (AERC 1324B/1) and consists of an open occupation which can be avoided by realigning the access route into Unit 11-6.

One non-diagnostic isolated biface fragment of Tiger Chert was observed in the vicinity of Unit 24-6 but not collected.

The variety of known sites in Section 6 including 42DC 349, 42DC 350, 42DC 351, 42DC 352, AND 42DC 353 will be avoided by the proposed developments. No previously recorded significant or National Register eligible cultural resources will be adversely affected by the proposed developments.

AERC recommends cultural resource clearance with the stipulation that the access route into Unit 11-6 should be moved to the south in order to avoid any disturbance to Site 42DC 732.

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GENERAL INFORMATION

On May 21 and 22, 1992, AERC archaeologist Richard Beaty, M.A. conducted intensive cultural resource evaluations for Balcron Oil Company of Billings, Montana. These examinations involved four proposed well units (Federal Units 11-6, 24-6, 33-6, and 42-6) in the Castle Peak Draw locality of Duchesne County, Utah (see Map).

This project is situated on federal lands administered by the Split Mountain Resource Area of the Vernal District of the Bureau of Land Management.

The purpose of the field study and this report is to identify and document cultural site presence and assess National Register significance relative to established criteria (cf., 36 CFR 60.6). Federal regulations require archeological assessments of potentially endangered cultural resources in order to identify and preserve significant artifacts and cultural material, strata, features, or monuments that are susceptible to disturbance being situated in the immediate development zone. These excavations and site assessments were conducted in compliance with the Antiquities Act of 1906; the Historic Sites Act of 1935; Section 106 of the National Historic Preservation Act of 1966, as amended; the National Environmental Policy Act of 1969; the Federal Land Policy and Management Act of 1979; the Archaeological Resources Protection Act of 1979; the Native American Religious Freedom Act of 1978; the Historic Preservation Act of 1980; and Executive Order 11593.

Project Location

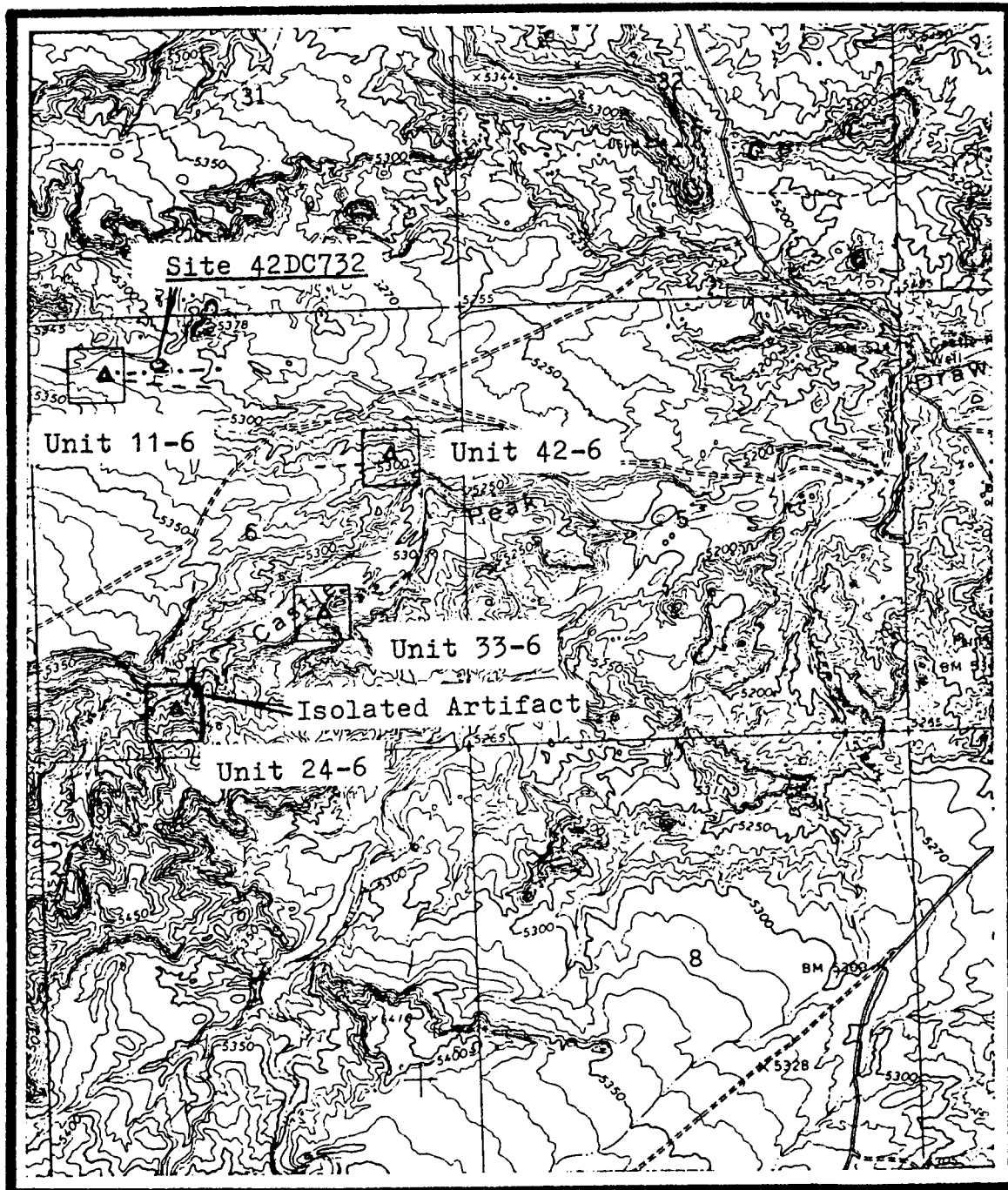
Unit 11-6: This location is in the NW 1/4 of the NW 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with an 800' access route leading from the existing roadway to the east of the location.

Unit 24-6: This location is in the SE 1/4 of the SW 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with a 2100' access route that approaches from the north as shown on the map.

Unit 33-6: This location is in the NW 1/4 of the SE 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with a short access route (800') that approaches from an existing well location to the east.

Unit 42-6: This location is in the SE 1/4 of the NE 1/4 of Section 6 of Township 9 South, Range 17 East. The location is associated with a 900' access route that approaches from an existing well location to the west of Unit 42-6.

AERC








T. 9 South
R. 17 East
Meridian: SL
Quad: Myton SE,
Utah

MAP

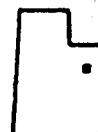
Cultural Resource Survey
of Four Proposed Well
Locations in the Castle
Peak Draw Locality

Legend:

Well Center 
10 Acre
Survey Area 
Access
Route
(original) 
Cultural
Site 
Isolated
Artifact 

Project: BLCR-92-2
Series: Uinta Basin
Date: 6-26-92

Scale: 1:24000



Environmental Description

The project area is situated within the 5250 to 5400 foot elevation zone above sea level. Open rangeland and shallow canyon/arroyo terrain surfaces are associated with all these locations.

The vegetation in the project area includes Chrysothamnus spp., Ephedra viridis, Atriplex canescens, Artemesia tridentata, Opuntia polyacantha, Sarcobatus vermiculatus, and Bromus tectorum.

The geological associations within the project area consist of fluvial lake deposits which correlate with the Uinta Formation which is of Tertiary age.

PREVIOUS RESEARCH IN THE LOCALITY

File Search

Records searches of the site files and maps at the Antiquities Section of the State Historic Preservation Office in Salt Lake City were conducted on May 26, 1992. A similar search was conducted in the Vernal District Office of the BLM on May 20. The National Register of Historic Places has been consulted and no registered historic or prehistoric properties will be affected by the proposed developments.

A few known cultural sites are situated in the Castle Peak Draw locality. Most of these prehistoric resources including Sites 42DC 349, 42DC 350, 42DC 351, 42DC 352, and 42DC 353 were identified and recorded during various archaeological inventories conducted by AERC in 1981 (Hauck 1981).

Prehistory and History of the Cultural Region

Currently available information indicates that the Northern Colorado Plateau Cultural Region has been occupied by a variety of cultures beginning perhaps as early as 10,000 B.C. These cultures, as identified by their material remains, demonstrate a cultural developmental process that begins with the earliest identified Paleoindian peoples (10,000 - 7,000 B.C.) and extends through the Archaic (ca. 7,000 B.C. - A.D. 300), and Formative (ca. A.D. 400 - 1100) Stages, and the Late Prehistoric-Protohistoric periods (ca. A.D. 1200 - 1850) to conclude in the Historic-Modern period which was initiated with the incursion of the Euro-American trappers, explorers, and settlers. Basically, each cultural stage - with the exception of the Late Prehistoric hunting and gathering Shoshonean bands - features a more complex life-way and social order than occurred during the earlier stage of development (Hauck 1991:53).

For a more comprehensive treatment of the prehistory and history of this region see Archaeological Evaluations in the Northern Colorado Plateau Cultural Area (Hauck 1991).

Site Potential in the Project Development Zone:

Previous archaeological evaluations in the general project area have resulted in the identification and recording of a variety of cultural resource sites having eligibility for potential nomination to the National Register of Historic Places (NRHP). The majority of these sites are lithic scatters including Sites 42DC 349, 42DC 350, and 42DC 353. Open occupations have also been identified in this locality (42DC 352). Site 42DC 351 is a rock shelter. Site 42DC 353 apparently has a Paleoindian component based on the recovery of a Folsom point from that site. Sites in this locality generally appear to have been occupied during the Archaic Stage and the Late Prehistoric Period (Numa) with occasional indications of Paleoindian activity based on the recovery of isolated Folsom and Plano style projectile points.

The site density of this locality appears to range from six to above ten sites per square mile which is a moderate to high density for this region (see Hauck 1991:45-54 for comparable site density associations in other localities on the Northern Colorado Plateau).

FIELD EVALUATIONS

Methodology

Intensive evaluations consisted of the archaeologist walking 10 to 20 meter wide transects within the well location areas and along the proposed access corridors. This series of well locations involved 10 acre survey areas. Access route corridors were evaluated measuring ca. 30 meters in width for a total of ca. .87 mile in length. Thus, ca. 50.5 acres of public lands in the locality were examined by R. Beaty of AERC on May 21 and 22, 1992.

Observation of cultural materials results in intensive examinations to determine the nature of the resource (isolate or activity locus). The analysis of each specific cultural site involves its subsequently being sketched, photographed, and appropriately recorded on standard IMACS forms. The determination of site significance is also established during the examination and evaluation of the cultural resources.

Site Significance Criteria

Prehistoric and historic cultural sites which can be considered as eligible for nomination to the National Register of Historic Places have been outlined as follows in the National Register's Criteria for Evaluation as established in Title 36 CFR 60.6:

The quality of significance in American ... archaeology ... and culture is present in ... sites ... that possess integrity of location, design, setting, materials, workmanship, feeling, and association and:

a. That are associated with events that have made a significant contribution to the broad patterns of our history; or

b. that are associated with the lives of persons significant in our past; or

c. that embody the distinctive characteristics of a type, period, or method of construction ... ; or

d. that have yielded, or may be likely to yield, information important in prehistory or history.

In addition to satisfying one or more of these general conditions, a significant cultural resource site in Utah will generally be considered as being eligible for inclusion in the National Register if it should advance our current state of knowledge relating to chronology, cultural relationships, origins, and cultural life ways of prehistoric or historic groups in the area.

In a final review of any site's cultural significance, the site must possess integrity and at least one of the above criteria to be considered eligible for nomination to the National Record of Historic Places.

Results of the Inventory

One newly identified prehistoric cultural resource activity loci was observed and recorded during these archaeological evaluations. This site has been designated as 42DC 732 (AERC 1324B/1) and consists of an extensive lithic scatter and open occupation containing several deflated hearths. The site is ca. 30 x 40 meters in size and contains a variety of lithic material with the siltstone from the Parachute Creek Member of the Green River Formation being most dominant on the site. The site offers two separate units in association with an ephemeral drainage channel

and a low stabilized dune complex. Several scrapers were observed on the site as was a ground stone tool. No artifacts were collected from this site.

Site 42DC 732 meets the requirements of criterion d of Title 36 CFR 60.6 in that it contains the potential for providing pertinent information and materials relative to the prehistory of the locality and region. In addition, this site has contextual integrity.

The original access route into Unit 11-6 passes along the southern periphery of this site (see Map). In order to avoid any disturbance to this significant resource, AERC recommends that a new access road be planned that will be ca. 100 to 200 feet to the south of the original access route as shown on Map.

No previously recorded cultural sites will be adversely affected by the proposed developments.

One isolated artifact was observed during the evaluations. This artifact consists of a biface fragment of Tiger Chert that was observed in the vicinity of Unit 24-6. This isolate was not collected.

CONCLUSION AND RECOMMENDATIONS:

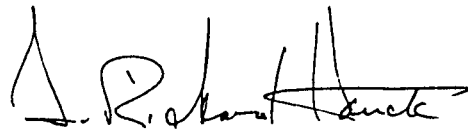
AERC recommends that a cultural resource clearance be granted to Balcron Oil Company relative to the development of the proposed units as noted above based upon adherence to the following stipulations:

1. In order to avoid any disturbance to Site 42DC 732, AERC recommends that a new access road into Unit 11-6 be developed that will pass ca. 100 to 200 feet to the south of the original access route as shown on Map.

2. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the flagged areas and corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

3. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

4. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.



F. Richard Hauck, Ph.D.
President and Principal
Investigator

REFERENCES

Hauck, F. Richard

1981 CULTURAL RESOURCE INVENTORY OF NINE PROPOSED WELL LOCATIONS AND ACCESS ROADS IN THE COYOTE BASIN LOCALITY OF UINTAH COUNTY, UTAH AND IN THE CASTLE PEAK DRAW LOCALITY OF DUCHESNE COUNTY, UTAH. AERC Report prepared for Diamond Shamrock Exploration (DS-81-2), Bountiful.

1991 ARCHAEOLOGICAL EVALUATIONS ON THE NORTHERN COLORADO PLATEAU CULTURAL AREA, AERC PAPER No. 45, Archeological-Environmental Research Corporation, Bountiful.

Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Summary Report of
Inspection for Cultural Resources

Authorization No. U.9.2.A.F.2.2.8.b.

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐

Comments: _____

C A S T L E P E A K D R A W L O C A T I O N S

1. Report Title

BALCRON OIL CO. UNITS 11-6, 24-6, 33-6, AND 42-6

2. Development Company

5 26 1 9 9 2

UT-92-54937

3. Report Date 4. Antiquities Permit No.

A E R C B L C R - 9 2 - 2 Uintah

5. Responsible Institution County

6. Fieldwork

0 9 S 1 7 E 0 6

7. Resource Location: TWN RNG Section.

Area TWN RNG Section.

.S.M.

TWN RNG Section.

8. Description of Examination Procedures: The archeologist, Richard Beaty, intensively examined these proposed locations and access corridors by walking a series of 10 to 20 meter-wide transects within the well parcels and flanking the flagged centerlines. This series of well locations involved 10 acre survey parcels on all four locations.

9. Linear Miles Surveyed 10. Inventory Type

and/or
Definable Acres Surveyed R = Reconnaissance
and/or I = Intensive
Legally Undefinable 5 7 . 2 S = Statistical Sample
Acres Surveyed

11. Description of Findings: 12. Number Sites Found

One cultural resource site was identified (No sites = 0)
during the survey. No isolated artifacts 13. Collection: Y.
were observed, recorded, or collected. (Y = Yes, N = No)
This site (42DC 732) consists of an (continued on page 2)

14. Actual/Potential National Register Properties Affected:
The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search Location/ Date: Utah SHPO 5-26-92
Vernal District Office Records 5-20-92

16. Conclusion/ Recommendations:
AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations: (see page 2).

17. Signature of Administrator
& Field Supervisor

Administrator

Field
Supervisor

UT 8100-3 (2/85)

[Signature]
R. Beaty (by RLA)

11. continued:

open occupation and lithic scatter that is adjacent to the original access route into Unit 11-6. The access route was subsequently moved in order to avoid any disturbance to this significant resource.

16. continued:

1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the corridors examined as referenced in this report, and to the existing roadways and/or evaluated access routes.

2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

4. The original access route into Unit 11-6 should be shifted to the south into the corridor shown on map in order to avoid Site 42DC 732.

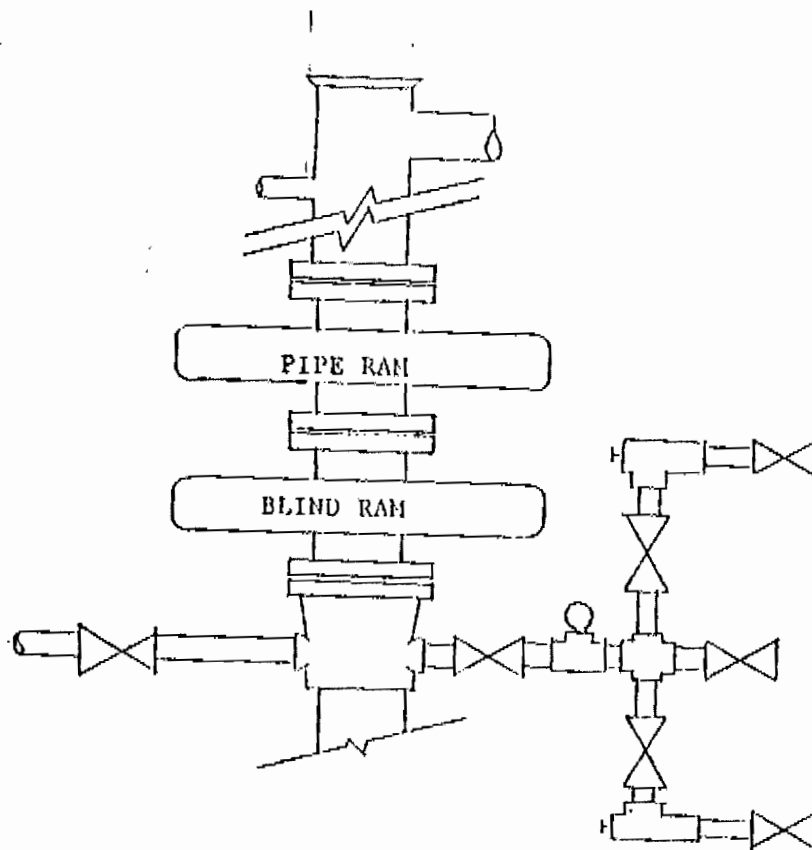
ROTARY DRILLING WITH MUD & AIR SINCE 1966



Main Office
1910 N. Loop Ave.
P.O. Box 2440
Casper, Wyoming 82602
(307) 235-8609

Billings Office
2047 E. Main
Billings, Montana 59103
(406) 245-3511

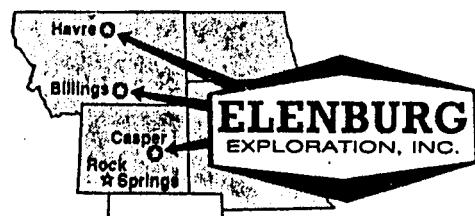
Havre, Montana Yard
4 mi. W. Hwy 2



9" Bore - 2000 PSI

Blowout Preventer Stack

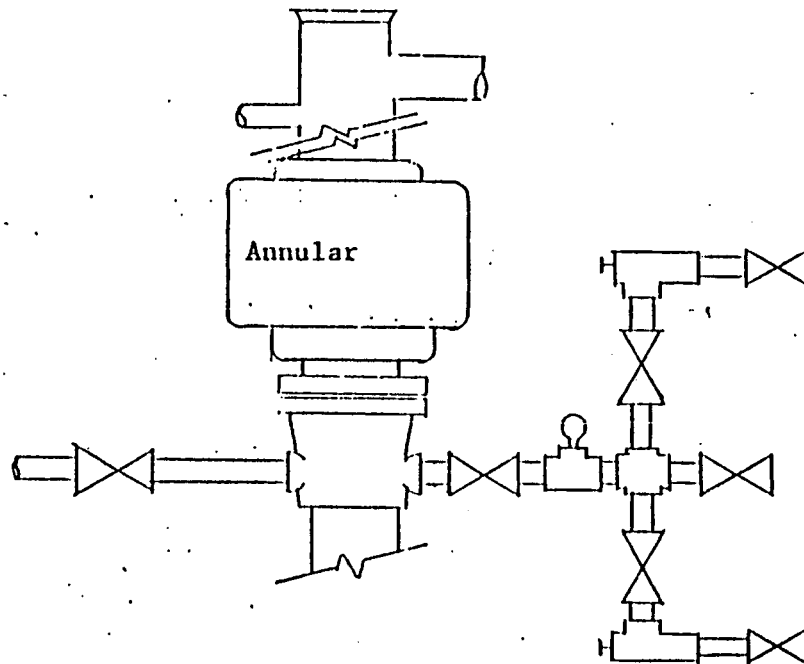
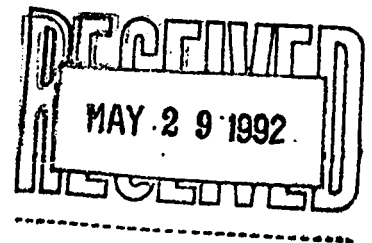
ROTARY DRILLING WITH MUD & AIR SINCE 1966



Main Office
1910 N. Loop Ave.
P.O. Box 2440
Casper, Wyoming 82602
(307) 235-8609

Billings Office
2047 E. Main
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(406) 245-3511

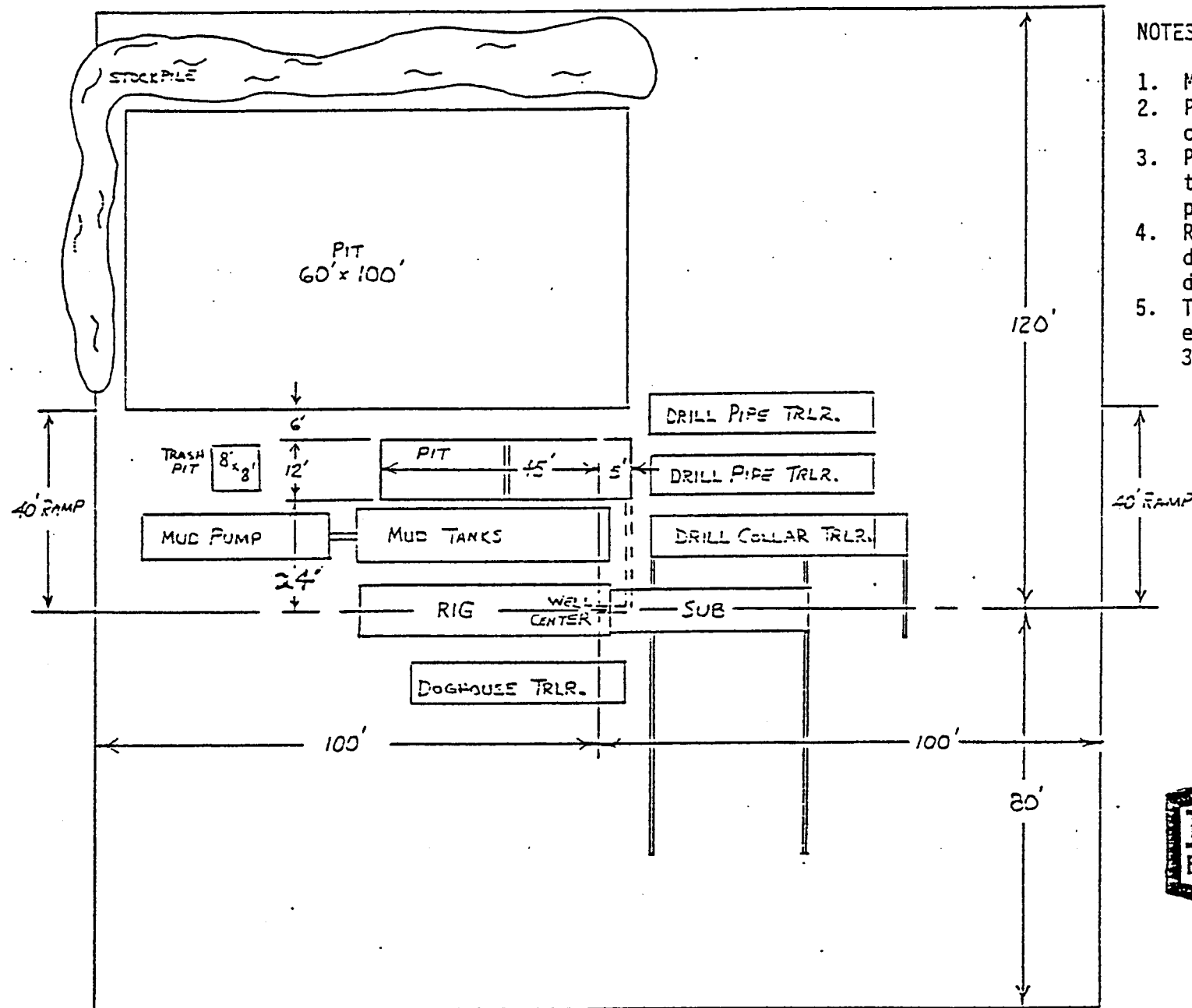
Havre, Montana Yard
4 mi. W. Hwy 2



9" Bore-1000 PSI

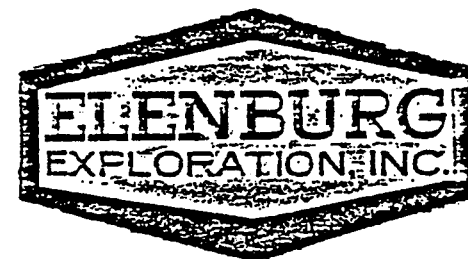
Blowout Preventer Stack

LOCATION AND RIG LAYOUT FOR RIGS 11, 12, and 14



NOTES:

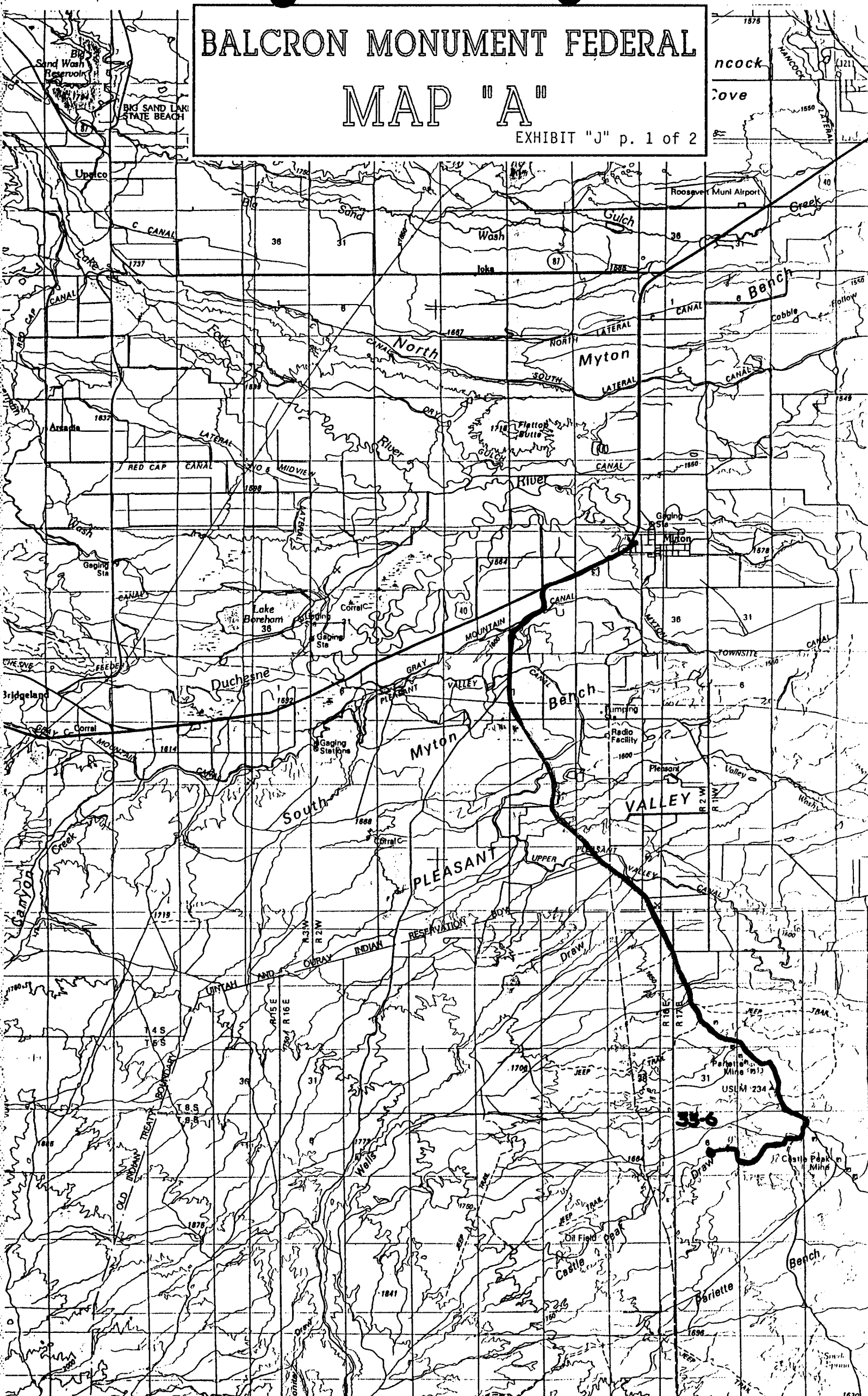
1. Make pits 6' deep.
2. Pits need to be in the cut.
3. Push up a divider in the middle of the pit shown.
4. Rip a 2' deep x 2' wide ditch as shown by the dotted line.
5. Truck access on each end of location 0° - 30°.



BALCRON MONUMENT FEDERAL

MAP "A"

EXHIBIT "J" p. 1 of 2



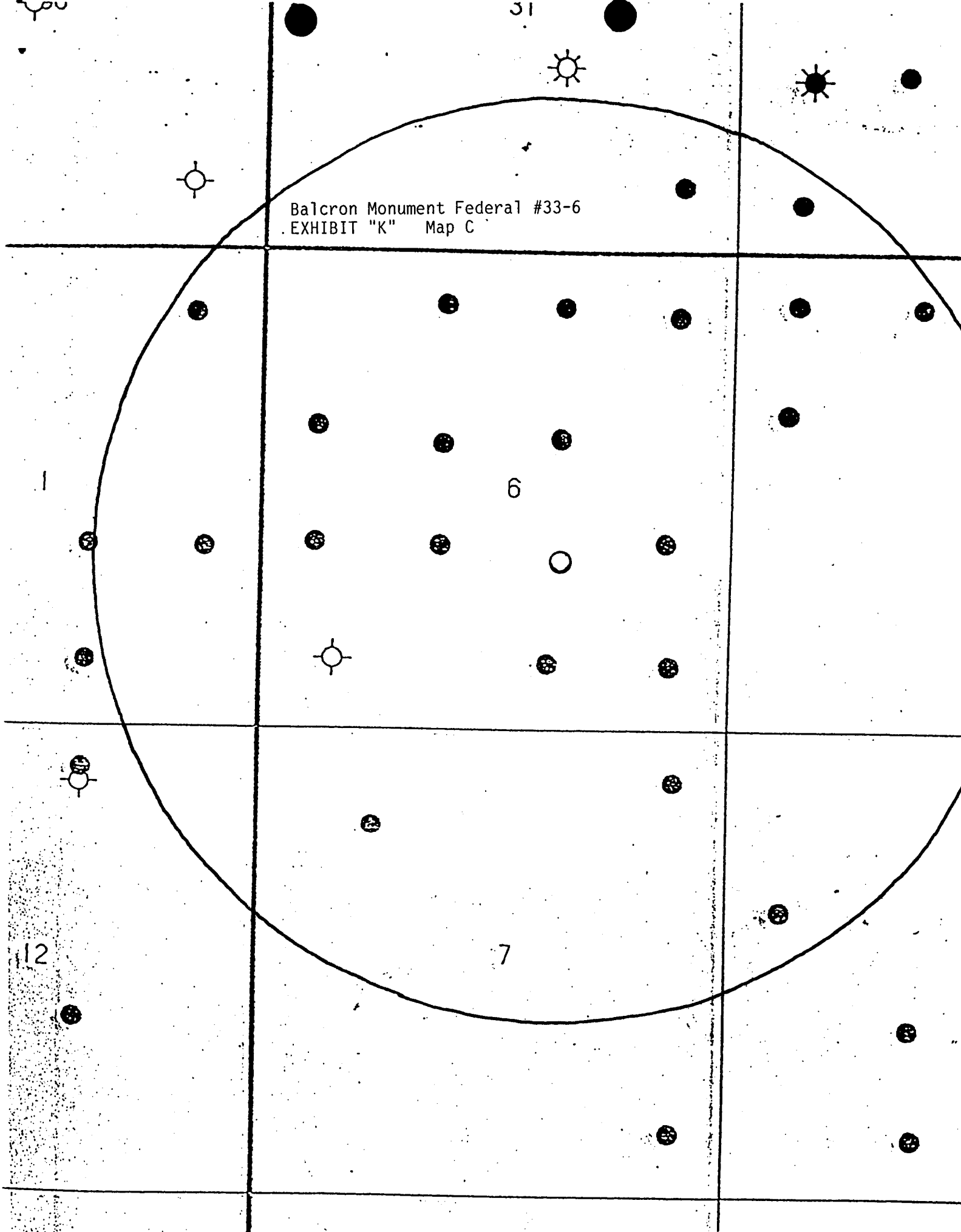
BALCRON MONUMENT FEDERAL MAP "B"

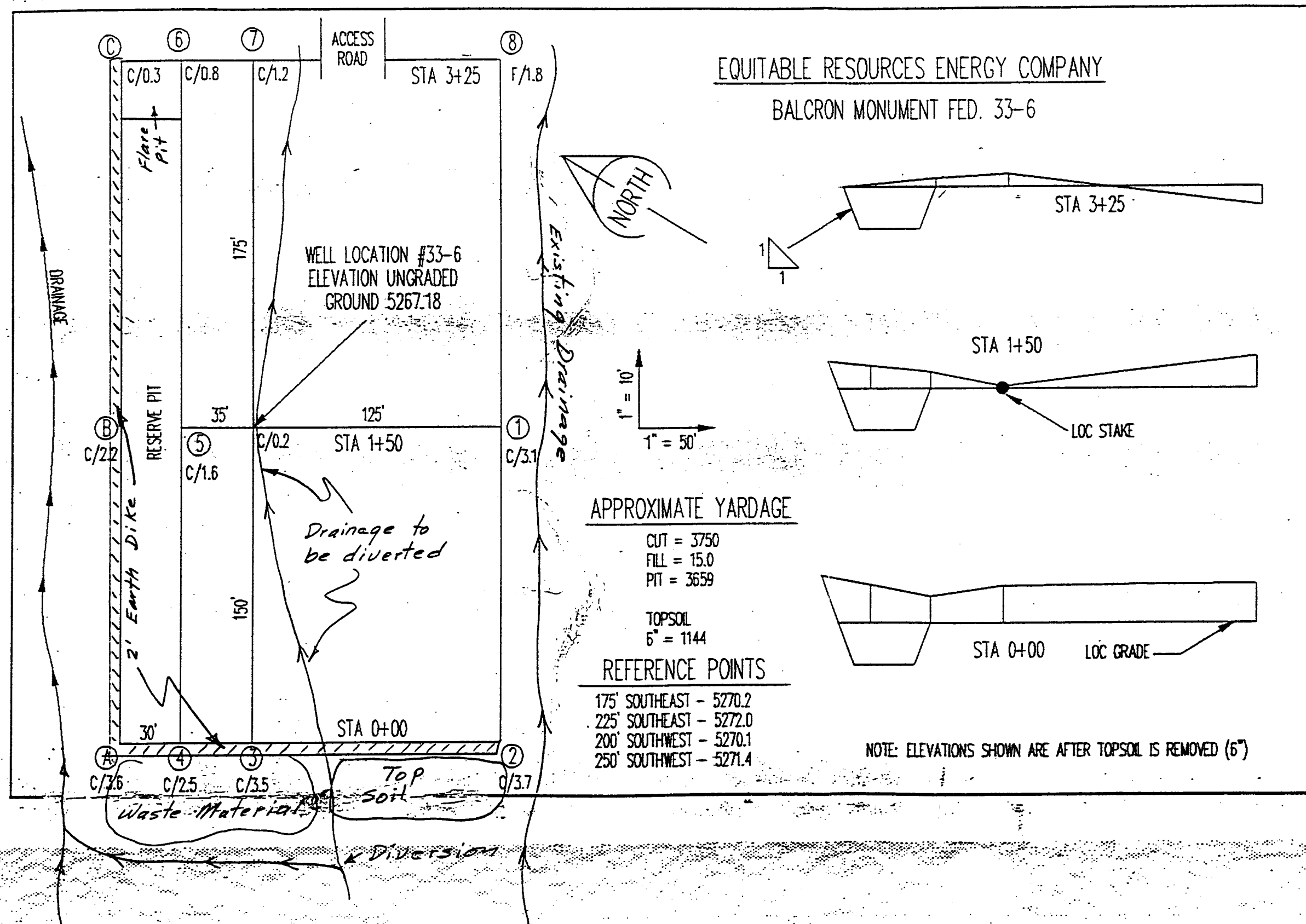
Balcron Monument Federal #33-6
EXHIBIT "K" Map C

6

7

12





STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK				5. Lease Designation and Serial No. Fed. #U-020252-A	
1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> b. Type of Well Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone <input type="checkbox"/>				6. If Indian, Allotted or Tribe Name 7. Unit Agreement Name 8. Farm or Lease Name Balcron Monument Federal	
2. Name of Operator BALCRON OIL				9. Well No. 33-6	
3. Address of Operator P.O. Box 21017; Billings, MT 59104				10. Field and Pool, or Wildcat Monument Butte Wasatch 105	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 1832' FSL, 1829' FEL At proposed prod. zone				11. 00, Sec., T., R., M., or 8th. and Survey or Area NW SE Sec. 6, T9S, R17E	
14. Distance in miles and direction from nearest town or post office* 10 miles southeast of Myton, Utah				12. County or Parrish 13. State Duchesne UTAH	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)		16. No. of acres in lease		17. No. of acres assigned to this well	
18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.		19. Proposed depth 5,580' WSTC		20. Rotary or cable tools Rotary	
21. Elevations (Show whether DF, RT, GR, etc.) GL 5,267.7'				22. Approx. date work will start* 8-21-92	
23. PROPOSED CASING AND CEMENTING PROGRAM					
Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement	
12-1/4"	8-5/8"	24#	260'	250 sx "G"	
7-7/8"	5-1/2"	15.5#	5,580'	See EXHIBIT "D"	

Operator plans to drill this well in accordance with the Federal permit which is attached. Upon Federal approval, a copy of the permit will be sent to the State of Utah, Division of Oil, Gas and Mining.

CONFIDENTIAL

RECEIVED

JUN 19 1992

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Coordinator of Environmental

Signed Robbie Schuman

Title and Regulatory Affairs

Date June 18, 1992

(This space for Federal or State office use)

API NO. 43-013-31361

Approval Date

Approved by _____
Conditions of approval, if any:

Title

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: 6-25-92
BY: [Signature]
WELL SPACING: 649-3-2

*See Instructions On Reverse Side

*Revised & submitted
to BLM 8/19/92*

SURFACE USE PROGRAM

EQUITABLE RESOURCES ENERGY COMPANY
Balcron Oil Division
Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E
Duchesne County, Utah

43-013-31361

In accordance with requirements outlined in 43 CFR 3162.3-1 (d):

1. EXISTING ROADS:

- a. From Myton, Utah, take Highway #40 west out of town 1.6 miles to the Sand Wash road. Go south on the Sand Wash road for 10.4 miles. Turn right onto lease road and go 0.2 miles. Turn left on lease road and go 0.9 miles to tee. Turn right at the tee and go 0.3 miles to the location.
- b. Existing roadways need no improvements for these drilling operations.
- c. All existing roads used by these drilling operations will be maintained in the same or better condition as were existing prior to entry.
- d. See EXHIBIT "J" Maps A and B for access route.

2. PLANNED ACCESS ROADS: See EXHIBIT "J" Maps A and B

- a. Length: Approximately 0.27 miles of new access road will be required.
- b. Width: Maximum 30' overall right-of-way with an 18' running surface.
- c. Maximum grade: 2%
- d. Turnouts: none
- e. Drainage design: This will be a barrow ditch on cut side.
- f. No culverts or bridges will be required. There are no cuts and/or fills on or along the proposed access road route.
- g. Surface materials: Any surface materials which are required will be native materials from the location and/or access site.
- h. No gates, cattleguards, or fence cuts and/or modifications to existing facilities will be required.
- i. Access road route has been centerline-flagged.

- j. All travel will be confined to location and access routes.
- k. All access roads and surface disturbing activities will conform to the standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).

The road shall be constructed/upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. This shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well-constructed safe road. If necessary prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Road drainage crossings will be of the typical dry creek draining crossing type. Crossings, if necessary, will be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading will not be done during muddy conditions. Should mud holes develop, they will be filled in and detours around them will be avoided.

- l. No right-of-way applications are needed for this road.

3. LOCATION OF EXISTING WELLS:

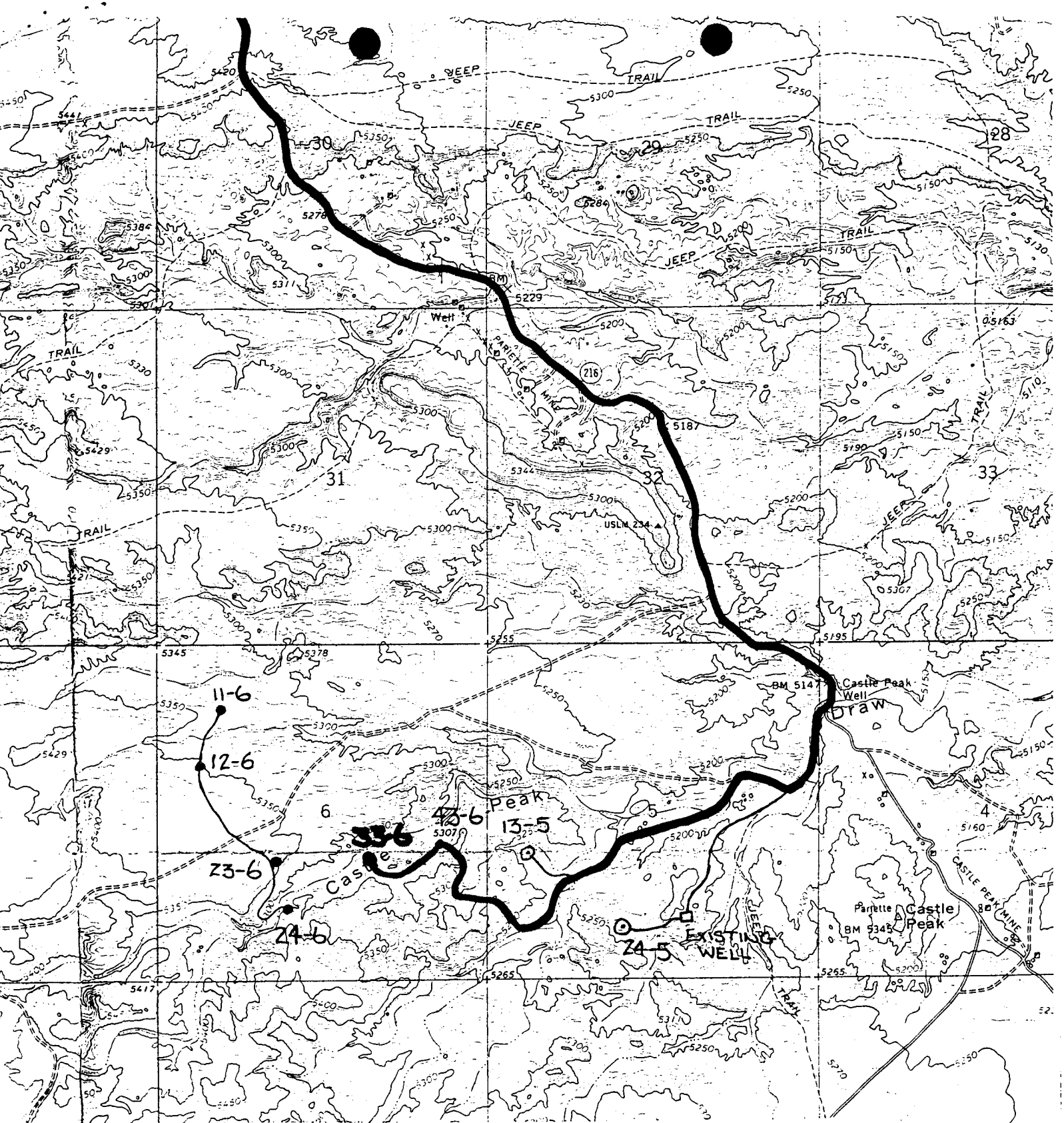
See EXHIBIT "K" Map C.

- a. Water wells: none
- b. Abandoned wells: one
- c. Temporarily abandoned wells: none
- d. Disposal wells: none
- e. Drilling wells: none
- f. Producing wells: twenty one
- g. Shut-in wells: one
- h. Injection wells: none

4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:

- a. Upon completion, a sundry notice and plat showing exact production facilities will be submitted.
- b. All above-ground facilities will be painted earthtone color Desert Brown #10Y/R in accordance with the Munsell Soil Color chart within six months of the well completion unless prior written approval to proceed with another alternative has been granted via Sundry Notice.

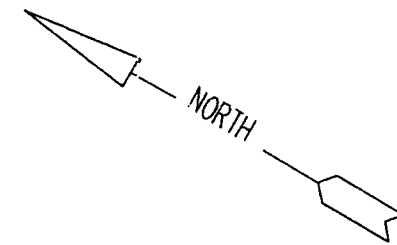
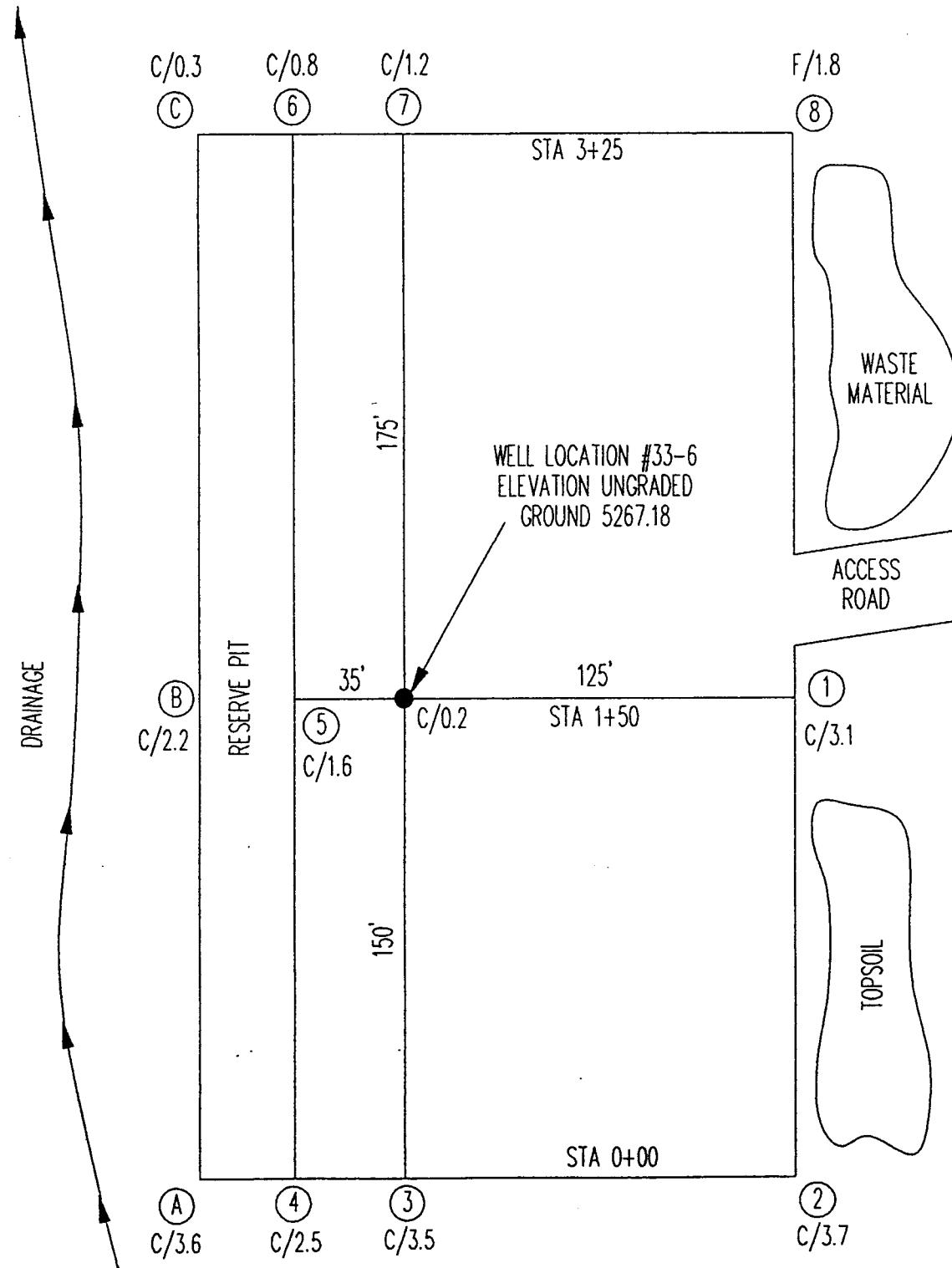
BALCRON MONUMENT FEDERAL
MAP "A"



BALCRON MONUMENT FEDERAL
MAP "B"

EQUITABLE RESOURCES ENERGY COMPANY

BALCRON MONUMENT FEDERAL #33-6

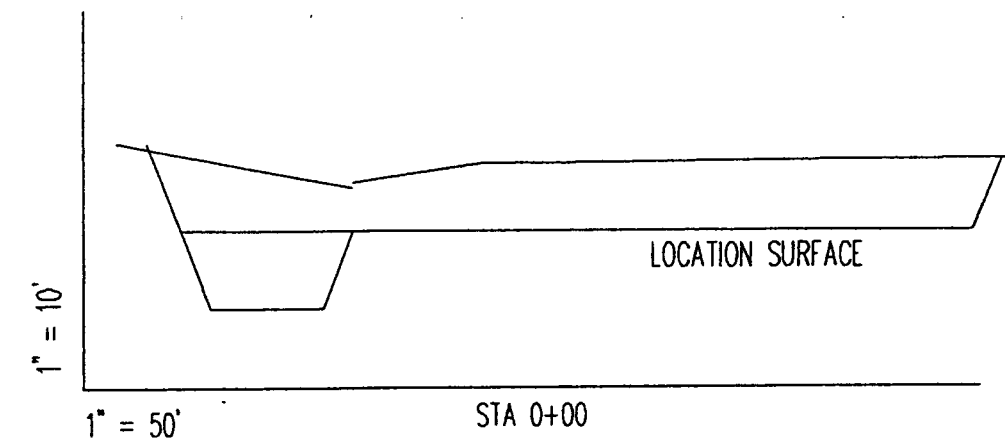
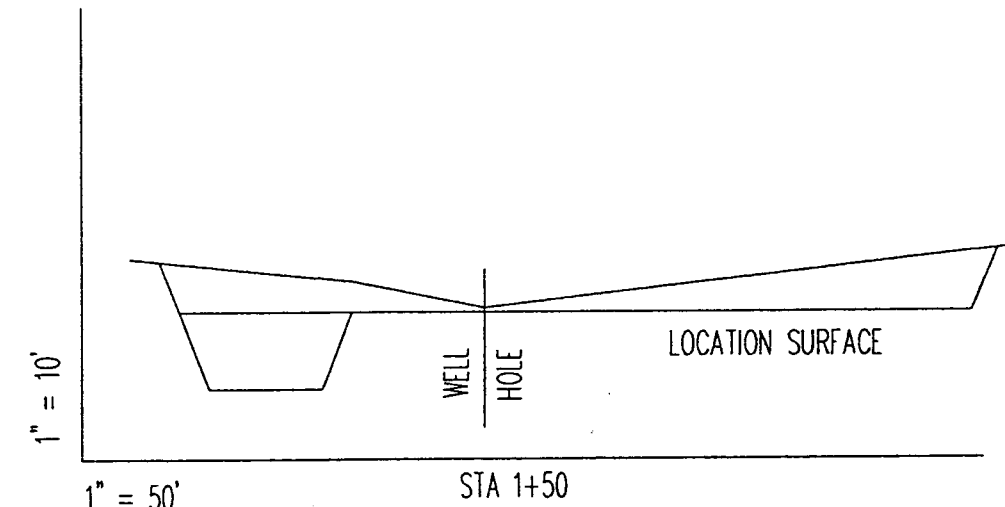
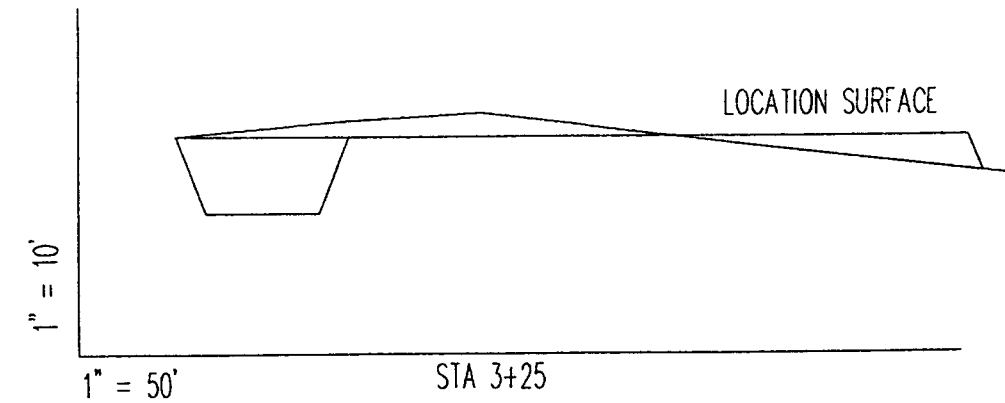


APPROXIMATE YARDAGE

CUT = 3,750
 FILL = 15.0
 PIT = 3,659

REFERENCE POINTS

175' SOUTHEAST - 5270.2
 225' SOUTHEAST - 5272.0
 200' SOUTHWEST - 5270.1
 250' SOUTHWEST - 5271.4



NOTE: ELEVATIONS SHOWN ARE AFTER TOPSOIL IS REMOVED (6")

ERATOR Balconi Jul 1890 DATE 10-24-90
LL NAME Balconi monument technical 33-4
C N 9E 6 T 95 R 17E COUNTY Duchesne

43-013-31361
API NUMBER


1. Period (1)
TYPE OF LEASE

ECK OFF:

PLAT.

20ND

NEAREST
WELL



LEASE

FIELD
SUBM


POTASH OR
OIL SHALE

PROCESSING COMMENTS:

MISSING COMMENTS:
 1. Small additional bills within the 10
water permit

APPROVAL LETTER:

PACING:



2615-2-3

N/A
UNIT

~~RS15-3-2~~

11

CAUSE NO. & DATE

11

2615-3-3

TIPULATIONS:

1- water Permit

CONFIDENTIAL
PERIOD
EXPIRED
ON 1-1-94



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 25, 1992

Balcron Oil
P.O. Box 21017
Billings, Montana 59104

Gentlemen:

Re: Balcron Monument Federal 33-6 Well, 1832 feet from the south line, 1829 feet from the east line, NW 1/4 SE 1/4, Section 6, Township 9 South, Range 17 East, Duchesne County, Utah

Pursuant to Utah Admin. R. 649-3-2 and Utah Admin. R. 649-3-4, approval to drill the referenced well is hereby granted.

In addition, the following specific actions are necessary to fully comply with this approval:

1. Submittal to the Division of evidence providing assurance of an adequate and approved supply of water as required by Utah Code Ann. § 73-3, Appropriations, prior to commencing drilling operations.
2. Compliance with the requirements of Utah Admin. R. 649-1 et seq., Oil and Gas Conservation General Rules.
3. Notification within 24 hours after drilling operations commence.
4. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
5. Submittal of the Report of Water Encountered During Drilling, Form 7.
6. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.

Page 2
Balcron Oil
Balcron Monument Federal 33-6 Well
June 25, 1992

7. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

Trash and sanitary waste should be properly contained and transported to approved disposal locations, not retained in or disposed of in pits on location or downhole. Prior to the commencement of drilling operations, the operator should consult the local/county sanitarian and/or the Department of Environmental Quality, Division of Drinking Water/Sanitation, regarding appropriate disposal of sanitary waste.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-013-31361.

Sincerely,

A handwritten signature in black ink, appearing to read 'R.J. Fifth', is written over a circular stamp that contains the number '23'.

R.J. Fifth
Associate Director, Oil and Gas

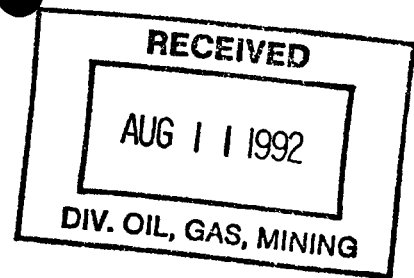
ldc
Enclosures
cc: Bureau of Land Management
J.L. Thompson
WOI1



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7860



August 10, 1992

-- VIA FEDERAL EXPRESS --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

Enclosed is the addendum (three copies for each of the wells)
to the Cultural Resource Evaluations which were done on the
following wells:

Balcron Monument Federal #11-6
NW NW Section 6, T9S, R17E

Balcron Monument Federal #24-6
SE SW Section 6, T9S, R17E

Balcron Monument Federal #33-6 43-013-31361
NW SE Section 6, T9S, R17E

This should complete the requirements for the APDs on those
wells. We realize that the Balcron Monument Federal #24-6 APD
had to be posted for an additional 30 days since the location
was moved more than 660'. That posting period began August 3.

If you have any questions or need further information, please
let me know.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

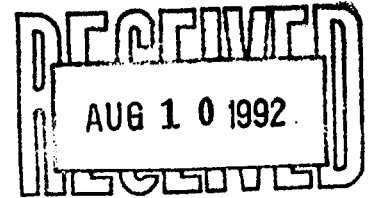
cc: State of Utah; Division of Oil, Gas and Mining



ARCHEOLOGICAL - ENVIRONMENTAL RESEARCH CORPORATION

P. O. Box 853 Bountiful, Utah 84011-0853
Tel: (801) 292-7061, 292-9668

August 8, 1992



Subject: *Addendum to* **CULTURAL RESOURCE EVALUATIONS OF
FOUR PROPOSED WELL LOCATIONS IN THE CASTLE
PEAK DRAW LOCALITY OF DUCHESNE COUNTY, UTAH**

Project: **BALCRON OIL CO. -- 1992 Development Program for Unit 33-5**

Project No.: **BLCR-92-4**

Permit No.: **Dept. of Interior -- UT-92-54937**

Utah Project No.: **UT-92-AF-228b**

To: **Ms. Bobbie Schuman, Balcron Oil Co., P.O. Box 21017,
Billings Montana 59104**

**Mr. David Little, District Manager, Bureau of Land
Management, 170 South 500 East, Vernal, Utah 84078**

Info: **Antiquities Section, Division of State History, 300 Rio
Grande, Salt Lake City, Utah 84101**

Department of the Interior
Bureau of Land Management
Utah State Office
(AERC FORMAT)

Authorization No. U.9.2.A.F.2.2.8.b. .

Report Acceptable Yes ☐ No ☐

Mitigation Acceptable Yes ☐ No ☐
Comments: _____

Summary Report of
Inspection for Cultural Resources

C A S T L E P E A K D R A W U N I T S A D D E N D U M

1. Report Title

BALCRON OIL CO. UNITS 11-6, 24-6, AND 33-6

2. Development Company _____

3. Report Date . . . 8 8 1 9 9 2 4. Antiquities Permit No. UT-92-54937

5. Responsible Institution A E R C B L C R - 9 2 - 4 Duchesne County _____

6. Fieldwork

Location: TWN 0 9 S R N G 1 7 S e c t i o n 0 6
7. Resource
Area TWN R N G S e c t i o n
.D.M.

8. Description of Examination Procedures: The archeologist, F.R. Hauck, intensively examined the relocation for these wells and new access corridors (as shown on the attached map) by walking a series of 10 to 20 meter-wide transects flanking the flagged centerline and within the flagged well pad. New well locations for 11-6 and 24-6 are outside the 10 acre parcel evaluated by AERC in May. Minor access route changes were involved with all three locations.

9. Linear Miles Surveyed 4
and/or
Definable Acres Surveyed
and/or
Legally Undefinable 8
Acres Surveyed
10. Inventory Type I
R = Reconnaissance
I = Intensive
S = Statistical Sample

11. Description of Findings: No cultural resource sites were identified (No sites = 0) during the survey. One isolated artifact was observed in association with the access route into Unit 11-6. This artifact consists of a bifacially prepared chopper which was manufactured from a smooth nodule of Parachute Creek chert.
12. Number Sites Found .0.
13. Collection: .Y. (Y = Yes, N = No)

14. Actual/Potential National Register Properties Affected: The National Register of Historic Places (NRHP) has been consulted and no registered properties will be affected by the proposed development.

15. Literature Search, Location/ Date: Utah SHPO 5-26-92
Vernal District Office Records 5-20-92

16. Conclusion/ Recommendations:

AERC recommends that a cultural resource clearance be granted to Balcron Oil Company for these proposed developments based on the following stipulations:

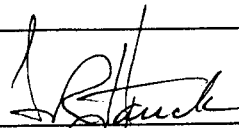
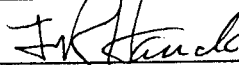
1. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the corridor examined as referenced in this report, and to the existing roadways and/or evaluated access routes.
2. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
3. The authorized official should be consulted should cultural remains from subsurface deposits be exposed during construction work or if the need arises to relocate or otherwise alter the location of the exploration area.

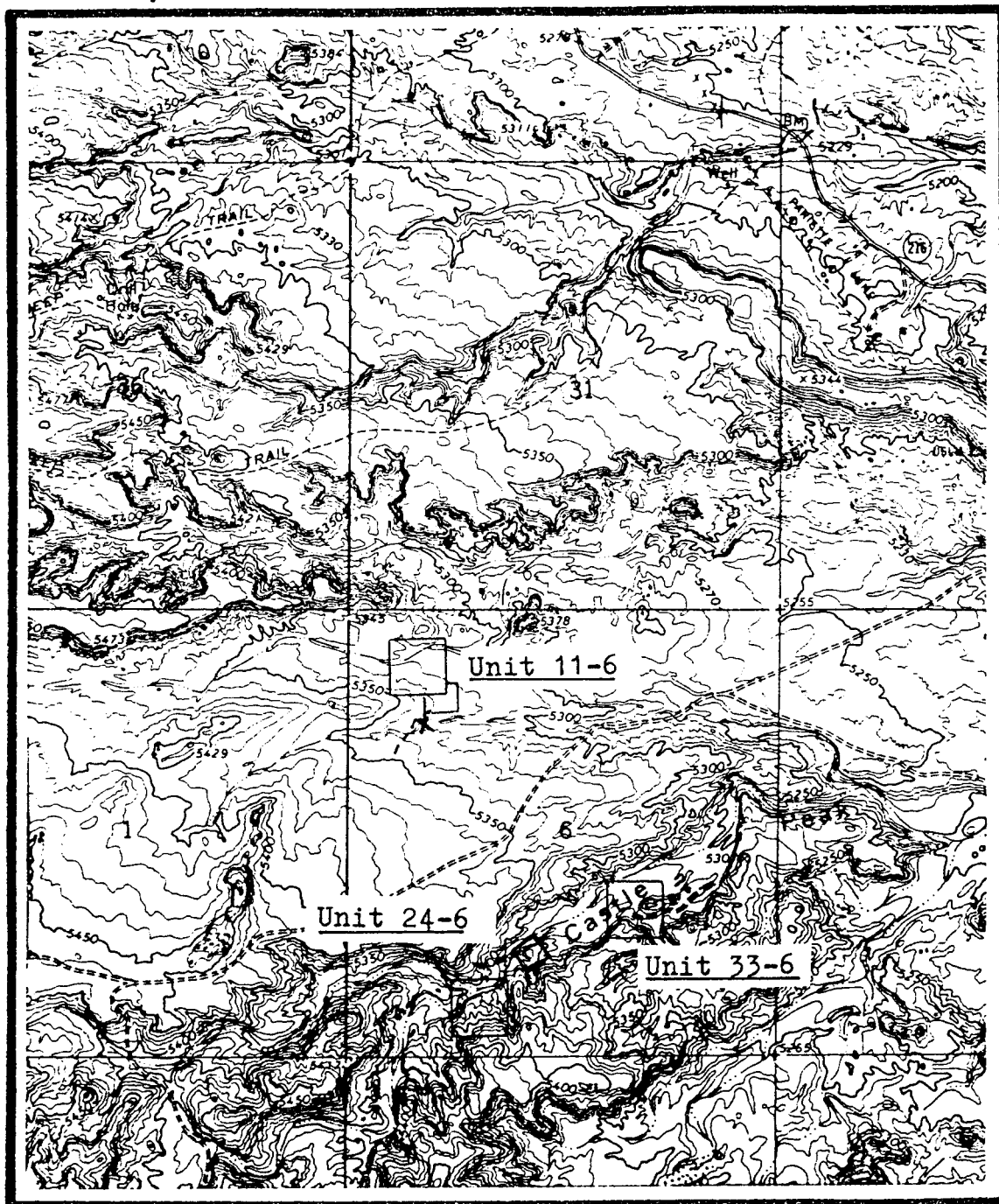
17. Signature of Administrator
& Field Supervisor

UT 8100-3 (2/85)

Administrator

Field
Supervisor



T. 8 & 9 S.
R. 16 & 17 E.
Meridian: SL
Quad: Myton SE,
Utah

MAP

Cultural Resource Survey
of Relocated Well Pads &
Access Routes in the
Castle Peak Draw Locality

Legend:

10 Acre
Survey
Area*



New Pad
Area



New Access
Route

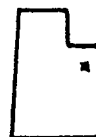


Isolated
Artifact



4
N

Project: Scale: 1:24000
Series: BLCR-92-4
Date: Uinta Basin
8-8-92



* see BLCR-92-2 dated May 26, 1992

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☐

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 21017; Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

1832' FSL 1829' FEL

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

10 miles southeast of Myton, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5,580'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

GL 5,267.7'

22. APPROX. DATE WORK WILL START*

8/21/92

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	260'	250 sx "G"
7-7/8"	5-1/2"	15.5#	5,580'	See EXHIBIT D

EXHIBITS ATTACHED

"A" PROPOSED DRILLING PROGRAM
"B" PROPOSED SURFACE USE PROGRAM
"C" GEOLOGIC PROGNOSIS
"D" DRILLING PROGRAM
"E" EVIDENCE OF BOND COVERAGE

"F" ARCHEOLOGY REPORT
"G" RIG LAYOUT
"H" BOPE SCHEMATIC
"I" LOCATION SITE AND ELEVATION PLAT
"J" EXISTING ROADS/PLANNED ACCESS (MAPS A & B)
"K" EXISTING WELLS (MAP C)
"L" DRILL PAD LAYOUT

SELF CERTIFICATION: I hereby certify that I am authorized, by proper lease interest owner, to conduct these operations associated with the application. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Equitable Resources Energy Company as principal and Safeco Insurance Company of America as surety under BLM Bond No. MT 0576 (Nationwide Oil & Gas Bond #5547188) who will be responsible for compliance with all of the terms and conditions of that portion of the lease associated with this application.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program if any.

24.

SIGNED

Bobbie Schuman

TITLE

Coordinator of Environmental
and Regulatory Affairs

DATE

June 18, 1992

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

ASSISTANT DISTRICT
MANAGER, MINERALS

DATE

AUG 26 1992

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED
TO OPERATIONS COPY

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Equitable Resources Energy Company

Well Name & Number: Balcron Monument Federal 33-6

Lease Number: U-020252-A

Location: NWSE Sec. 6 T. 9S R. 17E

Surface Ownership: Federal Lands administered by BLM

NOTIFICATION REQUIREMENTS

- | | | |
|---------------------------------|---|---|
| Location Construction | - | at least forty-eight (48) hours prior to construction of location and access roads. |
| Location Completion | - | prior to moving on the drilling rig. |
| Spud Notice | - | at least twenty-four (24) hours prior to spudding the well. |
| Casing String and Cementing | - | at least twenty-four (24) hours prior to running casing and cementing all casing strings. |
| BOP and Related Equipment Tests | - | at least twenty-four (24) hours prior to initiating pressure tests. |
| First Production Notice | - | within five (5) business days after new well begins, or production resumes after well has been off production for more than ninety (90) days. |

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to Tim Ingwell of this office. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Mahogany oil shale, identified at \pm 2,900 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) and bond quality for the production casing.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours prior to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling onlease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and within 500

feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190
Petroleum Engineer

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 789-3634

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

B. SURFACE USE PROGRAM

1. Well Site Layout

To protect the flood plain, if the well is a producer, facilities such as storage tanks, heater treaters, etc. will be constructed off the well pad to the southeast. A dike will be constructed around the facilities area adequate to contain the contents of all tanks. Production will be a closed system with no pits. The facilities area must be approved via Sundry Notice, prior to construction.

The stockpiled topsoil will be stored on the south side near point 2.

Access to the well pad will be from the southeast side near Point 1.

A rip-rapped dike will be placed on the southwest end of the well pad between Points A and 2. Native rock rubble may be used from near the well pad.

The pipeline from the wellhead to the tank battery will be constructed with a check valve, within the facilities area, so if the pipeline were to break, oil flow would shut off without draining any tanks.

2. Plans for Restoration of Surface

Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The following seed mixture will be used:

Pure Live Seed (PLS)

lbs./acre

Seed Mix

1	Forage Kochia (<i>Kochia prostrata</i>)
5	Ephriam Crested Wheatgrass (<i>Agropyron cristatum</i> Ephriam)
4	Russian Wildrye (<i>Elymus junceus</i>)
2	Fourwing Saltbush (<i>Atriplex canescens</i>)

3. Additional Information

- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National Register of Historic Places;

-the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- b. The operator will control noxious weeds along rights-of-way for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- c. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

A complete copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The operator or his/her contractor shall contact the BLM Office at (801) 789-1362 forty-eight (48) hours prior to construction activities.

The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: BALCRON 43-013-31361

WELL NAME: MONUMENT FEDERAL 33-6

Section 6 Township 9S Range 17E County DUCHESNE

Drilling Contractor MOLEN

Rig # 1

SPUDDED: Date 10/24/92

Time 1:00 PM

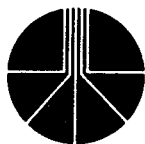
How DRY HOLE

Drilling will commence

Reported by AL PLUNKETT

Telephone # 1-823-6759

Date 10/26/92 SIGNED JLT



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7860

October 28, 1992

State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

RECEIVED

OCT 30 1992

DIVISION OF
OIL GAS & MINING

Gentlemen:

RE: Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E
Duchesne County, Utah

Enclosed is a copy of our Federal sundry notice providing written notification of spud on the referenced well. Also enclosed is our Entity Action form.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 6, T9S, R17E
1832' FSL, 1829' FEL

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #33-6

9. API Well No.

43-013- 31361

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Report of spud

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was spud October 24, 1992, by Parker Air Drilling.

RECEIVED

OCT 30 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Sophie Schuman

Coordinator of Environmental
and Regulatory Affairs

Date 10/28/92

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Balcron Oil
ADDRESS P.O. Box 21017
Billings, MT 59104

OPERATOR ACCT. NO. N 9890

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11438	43-013-31361	Balcron Monument Federal #33-6	NW SE	6	9S	17E	Duchesne	10/24/92	10/24/92
WELL 1 COMMENTS: Spud of new well. Entity added 11-3-92. <i>for</i>											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)
 A - Establish new entity for new well (single well only)
 B - Add new well to existing entity (group or unit well)
 C - Re-assign well from one existing entity to another existing entity
 D - Re-assign well from one existing entity to a new entity
 E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.
(3/89)

RECEIVED

OCT 30 1992

DIVISION OF
OIL GAS & MINING

Bobbie Schuman
 Signature
 Coordinator of Environmental and
 Regulatory Affairs
 Title
 Date 10/28/92
 Phone No. (406) 259-7860

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 6, T9S, R17E

1832' FSL, 1829' FEL

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #33-6

9. API Well No.

43-013- 31361

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other change in total depth
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

This well was permitted to a depth of 5,580'. Operator requests approval to drill this well to a total depth of 5,800'.

NOV 04 1992

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Bobbie Schuman

Coordinator of Environmental
and Regulatory Affairs

Date November 2, 1992

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

1829' FEL 1832' FSL

--TIGHT HOLE--

PTD: 6,200' Formation: Top of Wasatch

Green River Prospect

Elevations: 5267.7' GL

Contractor: Molen Rig #1

Operator: Balcron Oil

Spud: 10-24-92 @ 1 p.m.

Casing: 8-5/8" @ 256' GL

10-14-92 Move pipe line over to West side of location.

10-16-92 Start location.

10-20-92 Finish location.

10-23-92 MI Parker Air Drilling rig.

10-24-92 Spud @ 1 p.m. 10-24-92 & start drilling. Made 130' in 8" hole.

10-25-92 Drill to 260' w/8" bit. POOH & get ready to ream 12-1/4".

DC: \$10,495

CC: \$10,495

10-26-92 Got 12-1/4" hole reamed to 140'.

10-27-92 Reamed 12-1/4" hole to 260'.

10-28-92 Pull drill stem & lay it down. Run 6 jts 8-5/8" csg & cmt w/Dowell. 3 centralizers & wood plug. Csg set @ 256' GL. Cmt w/161 sxs 75-25% w/2% CCL & 1/4#/sx Celoflake. 10 bbls cmt back & did not fall down hole. Plug down @ 2 p.m. 10-28-92.

DC: \$7,880

CC: \$18,375

10-30-92 Drill rat hole & mouse hole. RD Parker air drilling & move off.

11-1-92 Present Operation: Prepare to move rotary on.

Put pit liner in pit & start hauling wtr.

DC: \$3,700

CC: \$22,075

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of pages ▶

To	State of Utah	From	Mouy Conrad
Co.		Co.	Balcron Oil
Dept.		Phone #	406-239-1860
Fax #		Fax #	406-245-1311

DAILY OPERATING REPORT

BALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

11-3-92 TD: 306' (35') Day 1
Formation: Duchesne
MW fresh wtr
Present Operation: Drilling
MIRU, weld on csg head & NU BOP. Test BOP & manifold to
2000#. Test csg to 1500# - OK. PU drill collars & drill
cmt. Drill new hole.
DC: \$4,327 CC: \$22,702

11-4-92 TD: 1,337' (1,031') Day 2
Formation: Duchesne
MW 8.4 VIS 26 pH 9.7
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$14,756 CC: \$37,458

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

11-7-92 TD: 2,912' (197') Day 5
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Trip
Drill w/15000# on bit & 85-90 RPM. Drill & survey. Trip
to remove TBS @ 2912', making dog leg.
DC: \$4,293 CC: \$62,213

11-8-92 TD: 3,481' (569') Day 6
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Run survey.
Finish trip & start to drill w/25000# weight & 65-70 RPM,
survey, clean & paint on rig. Increase weight to 35000#.
Background Gas - 30-50 units. Connection Gas - 110
units.
DC: \$8,397 CC: \$70,610

11-9-92 TD: 4,196' (715') Day 7
Formation: Green River
MW 8.5 VIS 26 Ph 9.7
Present Operation: Drilling
Drill, survey, clean on rig, & paint. Background Gas -
40 units.
DC: \$10,305 CC: \$80,915

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To	State of Utah	From	Nolly Conrad
Co.	Div Oil & Gas	Co.	Balcron Oil
Dept.		Phone	406-259-7860
Fax #	801-359-3940	Fax #	406-245-1361

DAILY OPERATING REPORT

BALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

11-8-92 TD: 3,481' (569') Day 6
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Run survey.
Finish trip & start to drill w/25000# weight & 65-70 RPM,
survey, clean & paint on rig. Increase weight to 35000#.
Background Gas - 30-50 units. Connection Gas - 110
units.
DC: \$8,397 CC: \$70,610

11-9-92 TD: 4,196' (715') Day 7
Formation: Green River
MW 8.5 VIS 26 Ph 9.7
Present Operation: Drilling
Drill, survey, clean on rig, & paint. Background Gas -
40 units.
DC: \$10,305 CC: \$80,915

11-10-92 TD: 4,666' (470') Day 8
Formation: Green River
MW 8.5 VIS 26 pH 9.9
Present Operation: Cut drill line.
Drill, survey, circ btms up, TOH to PU reamers. TIH part
way & cut drill line.
DC: \$7,775 CC: \$88,690

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

- 11-8-92 TD: 3,481' (569') Day 6
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Run survey.
Finish trip & start to drill w/25000# weight & 65-70 RPM,
survey, clean & paint on rig. Increase weight to 35000#.
Background Gas - 30-50 units. Connection Gas - 110
units.
DC: \$8,397 CC: \$70,610
- 11-9-92 TD: 4,196' (715') Day 7
Formation: Green River
MW 8.5 VIS 26 Ph 9.7
Present Operation: Drilling
Drill, survey, clean on rig, & paint. Background Gas -
40 units.
DC: \$10,305 CC: \$80,915
- 11-10-92 TD: 4,666' (470') Day 8
Formation: Green River
MW 8.5 VIS 26 pH 9.9
Present Operation: Cut drill line.
Drill, survey, circ btms up, TOH to PU reamers. TIH part
way & cut drill line.
DC: \$7,775 CC: \$88,690
- 11-11-92 TD: 4,695' (29') Day 9
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: TIH w/bit.
Cut drill line & start reaming. Ream dog leg & wash to
btm to clean hole. TOH & PU core barrel. Tripping &
start coring @ 4666', cut 29' & make connection & core
barrel jammed. TOH & LD 29' of core. Stand back core
barrel. Start in hole.
- 11-12-92 TD: 4,862' (167') Day 10
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: Work on drawworks.
TIH to drill. Drill to 4800' & TOH for core #2. TIH
w/core barrel. Core 42' & jammed. TOH & LD core.
Recover 42', 10'-12' good sand. Stand core barrel back
& TIH to drill. WTB & drill. Work on rig.
DC: \$6,496 CC: \$100,001

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

11-13-92 TD: 5,104' (242') Day 11
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: TOH for core bbl.
Replace bearing on main shaft in drawworks. Drill to
5104', cdrop survey & start out of hole. Smith bit
#KV0103, 207-1/2 hrs, 6871 feet in 4 holes.
DC: \$5,369 CC: \$105,370

Post-It™ brand fax transmittal memo 7671		# of pages ▶	
To	Oil, Gas & Mining	From	Molly Camacho
Co.	State of Utah	Co.	Balcron Oil
Dept.		Phone #	406-259-7860
Fax #	407-359-3940	Fax #	406-245-1361

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

- 11-13-92 TD: 5,104' (242') Day 11
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: TOH for core bbl.
Replace bearing on main shaft in drawworks. Drill to 5104', cdrop survey & start out of hole. Smith bit #KV0103, 207-1/2 hrs, 6871 feet in 4 holes.
DC: \$5,369 CC: \$105,370
- 11-14-92 TD: 5,370' (266') Day 12
Formation: Green River
MW 8.5 VIS 26 pH 9.5
Present Operation: Drilling
TOH & PU core bbl. TIH & start coring @ 5104', cut 160' to 5164'. TOH & LD core, recover 58-1/2". LD core bbl & TIH w/bit. Go to drilling.
DC: \$18,215 CC: \$123,585
- 11-15-92 TD: 5,740' (370') Day 13
Formation: Green River
MW 8.5 VIS 26 pH 9.5
Present Operation: Logging
Drill, circ for logs, drop survey. TOH WO Schlumberger logging. HCL on location @ 6 a.m.
DC: \$8,305 CC: \$131,890
- 11-16-92 TD: 5,740' (0') Day 14
Formation: Green River
Present Operation: Nipple down BOP.
Log w/Schlumberger, let HLS run high resolution induction log. TIH & LD drill pipe & collars. Run 5-1/2" csg & cmt. Clean tanks, nipple down. 20 centralizers, 5-1/2" she joint & shoe; float collar; 125 jts 5-1/2", 15.5, K-55 csg; csg set @ 5713.92'. Cmt w/226 sxs hilift & 400 sxs Class "G". Plug down @ 4 a.m.
DC: \$67,128 CC: \$199,018

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To: Oil, Gas & Mining	From: Molly Comad	
Co. State of Utah	Co. Balcron Oil	
Dept.	Phone # 406-259-7860	
Fax # 801-359-3940	Fax # 406-245-1361	

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

- 11-13-92 TD: 5,104' (242') Day 11
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: TOH for core bbl.
Replace bearing on main shaft in drawworks. Drill to 5104', cdrop survey & start out of hole. Smith bit #KV0103, 207-1/2 hrs, 6871 feet in 4 holes.
DC: \$5,369 CC: \$105,370
- 11-14-92 TD: 5,370' (266') Day 12
Formation: Green River
MW 8.5 VIS 26 pH 9.5
Present Operation: Drilling
TOH & PU core bbl. TIH & start coring @ 5104', cut 160' to 5164'. TOH & LD core, recover 58-1/2". LD core bbl & TIH w/bit. Go to drilling.
DC: \$18,215 CC: \$123,585
- 11-15-92 TD: 5,740' (370') Day 13
Formation: Green River
MW 8.5 VIS 26 pH 9.5
Present Operation: Logging
Drill, circ for logs, drop survey. TOH WO Schlumberger logging. HCL on location @ 6 a.m.
DC: \$8,305 CC: \$131,890
- 11-16-92 TD: 5,740' (0') Day 14
Formation: Green River
Present Operation: Nipple down BOP.
Log w/Schlumberger, let HLS run high resolution induction log. TIH & LD drill pipe & collars. Run 5-1/2" csg & cmt. Clean tanks, nipple down. 20 centralizers, 5-1/2" she joint & shoe; float collar; 125 jts 5-1/2", 15.5, K-55 csg; csg set @ 5713.92'. Cmt w/226 sxs hilift & 400 sxs Class "G". Plug down @ 4 a.m.
DC: \$67,128 CC: \$199,018
- 11-17-92 Present Operation: Move off.
ND BOP. Set slips, cut off csg. Move rig off.
DC: \$16,540 CC: \$215,558

ATTACHMENT 1

BALCRON OIL MONUMENT BUTTE WATERFLOOD APPLICATION

INJECTION WELL PERFORATIONS

WELL NAME	ZONE NAME:	YELLOW	RED 1	RED 2	RED 5	GREEN 1	GREEN 3	GREEN 4	GREEN 5	GREEN 6	BLUE
MONUMENT BUTTE FED 11-6			4781-4790				5208-5215		5288-5336		
ALLEN FED 13-6			**4744-4768		+4910-4920	**5054-5066					
ALLEN FED 22-6			+4765-4771		4910-4924		5190-5200		5270-5276		
MONUMENT BUTTE FED 24-6			+4678-4681								**5556-5569
MONUMENT BUTTE FED 33-6			4658-4676		4814-4824						
MONUMENT BUTTE FED 42-6			4757-4760		**4907-4927	**5065-5068					
ALLEN FED 1-6 (SE/SE)	**4169-4180	4698-4702	**4753-4757			**5141-5145					

PRODUCING WELL PERFORATIONS

WELL NAME	ZONE NAME:	YELLOW	RED 1	RED 2	RED 5	GREEN 1	GREEN 3	GREEN 4	GREEN 5	GREEN 6	BLUE
ALLEN FED 12-6	4302-4326	+4780-4788	4832-4851						5280-5301		5665-5676
ALLEN FED 21-6							5173-5194	5220-5228	5277-5381	5414-5419	
ALLEN FED 23-6	4249-4267	+4735-4750	4792-4808	4890-4908					5244-5260		
ALLEN FED 31-6						5050-5056		5235-5256			
ALLEN FED 32-6	4246-4289			4912-4934				5232-5354			
ALLEN FED 34-6		4690-4715		4856-4892		5162-5177	5189-5230				
ALLEN FED 41-6	4281-4318	4750-4764		4912-4938	5062-5068		5236-5260				
ALLEN FED 43-6		4666-4680	4712-4742	4817-4848			5138-5178	5179-5205			

+ TO BE ADDED

** NOT TO BE USED FOR INJECTION

RED 1 RED 5 GREEN 3 GREEN 6 ZONES FOR INJECTION

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR BALCRON OIL
ADDRESS P.O. Box 21017
Billings, MT 59104

Well name and number: Balcron Monument Federal #33-6

Field or Unit name: Monument Butte Field Lease no. U-020252A

Well location: QQ NW SE section 6 township 9S range 17E county Duchesne

Is this application for expansion of an existing project? . . Yes ☐ No ☒

Will the proposed well be used for: Enhanced Recovery? . . Yes ☒ No ☐
Disposal? Yes ☐ No ☒
Storage? Yes ☐ No ☒

Is this application for a new well to be drilled? Yes ☐ No ☒ *

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☒
Date of test: _____ This well will be drilled and
API number: 43-013-31361 completed prior to December 2 hearing.

Proposed injection interval: from 4,650' to 5,170'

Proposed maximum injection: rate 600 BPD pressure 2500 psig

Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within $\frac{1}{2}$ mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Logs are or will be on file prior to the Hearing.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman
Title Coordinator of Environmental Date October 16, 1992
Phone No. () and Regulatory Affairs PHONE: (406) 259-7860

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7860

RECEIVED

NOV 19 1992

DIVISION
OF OIL, GAS, & MINING

November 17, 1992

State of Utah
Division of Oil, Gas, & Mining
355 West North Temple
Salt Lake City, UT 84180

Gentlemen:

RE: Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E
Duchesne County, Utah

43-013-31361

Enclosed for your files are the update daily operating reports for the above referenced well.

Please feel free to contact me if you need any additional information.

Sincerely,

Molly Conrad

Molly M. Conrad
Operations Secretary

/mc

Enclosure

NOV 19 1992

1

DAILY OPERATING REPORT

BALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

1829' FEL 1832' FSL

PTD: 6,200' Formation: Top of Wasatch

Green River Prospect

Elevations: 5267.7' GL

Contractor: Molen Rig #1

Operator: Balcron Oil

Spud: 10-24-92 @ 1 p.m.

Casing: 8-5/8" @ 256' GL
5-1/2" @ 5713.92'

--TIGHT HOLE--

- 10-14-92 Move pipe line over to West side of location.
- 10-16-92 Start location.
- 10-20-92 Finish location.
- 10-23-92 MI Parker Air Drilling rig.
- 10-24-92 Spud @ 1 p.m. 10-24-92 & start drilling. Made 130' in 8" hole.
- 10-25-92 Drill to 260' w/8" bit. POOH & get ready to ream 12-1/4".
DC: \$10,495 CC: \$10,495
- 10-26-92 Got 12-1/4" hole reamed to 140'.
- 10-27-92 Reamed 12-1/4" hole to 260'.
- 10-28-92 Pull drill stem & lay it down. Run 6 jts 8-5/8" csg & cmt w/Dowell. 3 centralizers & wood plug. Csg set @ 256' GL. Cmt w/161 sxs 75-25% w/2% CCL & 1/4#/sx Celoflake. 10 bbls cmt back & did not fall down hole. Plug down @ 2 p.m. 10-28-92.
DC: \$7,880 CC: \$18,375
- 10-30-92 Drill rat hole & mouse hole. RD Parker air drilling & move off.
- 11-1-92 Present Operation: Prepare to move rotary on. Put pit liner in pit & start hauling wtr.
DC: \$3,700 CC: \$22,075

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

--TIGHT HOLE--

11-3-92 TD: 306' (35') Day 1
Formation: Duchesne
MW fresh wtr
Present Operation: Drilling
MIRU, weld on csg head & NU BOP. Test BOP & manifold to 2000#. Test csg to 1500# - OK. PU drill collars & drill cmt. Drill new hole.
DC: \$4,327 CC: \$22,702

11-4-92 TD: 1,337' (1,031') Day 2
Formation: Duchesne
MW 8.4 VIS 26 pH 9.7
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$14,756 CC: \$37,458

11-5-92 TD: 2,420' (1,083') Day 3
Formation: Horseshoe Bench
MW 8.4 VIS 26 pH 10
Present Operation: Drilling
Drill, survey, work on mud pump, replace pony rod, & both swabs.
DC: \$14,776 CC: \$52,234

11-6-92 TD; 2,715' (275') Day 4
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: Drilling
Drill, survey, hole getting crooked, out to 5-1/4° @ 2596'. TOH, bit OK. WO IBS, TIH w/pendulum assembly. Drill & survey. Weight 10-1500# on bit, 85 RPM. Did not get over the drilling nipple gas.
DC: \$5,686 CC: \$57,920

11-7-92 TD: 2,912' (197') Day 5
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Trip
Drill w/15000# on bit & 85-90 RPM. Drill & survey. Trip to remove TBS @ 2912', making dog leg.
DC: \$4,293 CC: \$62,213

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

--TIGHT HOLE--

- 11-8-92 TD: 3,481' (569') Day 6
 Formation: Green River
 MW 8.5 VIS 26 pH 10.2
 Present Operation: Run survey.
 Finish trip & start to drill w/25000# weight & 65-70 RPM, survey, clean & paint on rig. Increase weight to 35000#. Background Gas - 30-50 units. Connection Gas - 110 units.
 DC: \$8,397 CC: \$70,610
- 11-9-92 TD: 4,196' (715') Day 7
 Formation: Green River
 MW 8.5 VIS 26 Ph 9.7
 Present Operation: Drilling
 Drill, survey, clean on rig, & paint. Background Gas - 40 units.
 DC: \$10,305 CC: \$80,915
- 11-10-92 TD: 4,666' (470') Day 8
 Formation: Green River
 MW 8.5 VIS 26 pH 9.9
 Present Operation: Cut drill line.
 Drill, survey, circ btms up, TOH to PU reamers. TIH part way & cut drill line.
 DC: \$7,775 CC: \$88,690
- 11-11-92 TD: 4,695' (29') Day 9
 Formation: Green River
 MW 8.5 VIS 26 pH 9.7
 Present Operation: TIH w/bit.
 Cut drill line & start reaming. Ream dog leg & wash to btm to clean hole. TOH & PU core barrel. Tripping & start coring @ 4666', cut 29' & make connection & core barrel jammed. TOH & LD 29' of core. Stand back core barrel. Start in hole.
- 11-12-92 TD: 4,862' (167') Day 10
 Formation: Green River
 MW 8.5 VIS 26 pH 9.7
 Present Operation: Work on drawworks.
 TIH to drill. Drill to 4800' & TOH for core #2. TIH w/core barrel. Core 42' & jammed. TOH & LD core. Recover 42', 10'-12' good sand. Stand core barrel back & TIH to drill. WTB & drill. Work on rig.
 DC: \$6,496 CC: \$100,001

DAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

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Replace bearing on main shaft in drawworks. Drill to 5104', cdrop survey & start out of hole. Smith bit #KV0103, 207-1/2 hrs, 6871 feet in 4 holes.
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Drill, circ for logs, drop survey. TOH WO Schlumberger logging. HCL on location @ 6 a.m.
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Formation: Green River
Present Operation: Nipple down BOP.
Log w/Schlumberger, let HLS run high resolution induction log. TIH & LD drill pipe & collars. Run 5-1/2" csg & cmt. Clean tanks, nipple down. 20 centralizers, 5-1/2" she joint & shoe; float collar; 125 jts 5-1/2", 15.5, K-55 csg; csg set @ 5713.92'. Cmt w/226 sxs hilift & 400 sxs Class "G". Plug down @ 4 a.m.
DC: \$67,128 CC: \$199,018
- 11-17-92 Present Operation: Move off.
ND BOP. Set slips, cut off csg. Move rig off.
DC: \$16,540 CC: \$215,558

INJECTION WELL APPLICATION

REVIEW SUMMARY

Applicant: BALCRON OIL Well: 33-6

Location: section 6 township 9 SOUTH range 17 EAST

API #: 43-013-31361 Well Type: disp. enhanced recov. X

If enhanced recovery has project been approved by the Board ? NO

Lease Type: FEDERAL Surface Ownership: BLM

Field: MONUMENT BUTTE Unit: Indian Country: YES

UIC Form 1: YES Plat: YES Wells in AOR: 4P,6I

Logs Available: YES Bond Log:

Casing Program: ADEQUATE

Integrity Test: AT TIME OF CONVERSION

Injection Fluid: FRESH WATER

Geologic Information: DOUGLAS CREEK MEMBER OF GREEN RIVER FORMATION,

Analyses of Injection Fluid: NO Formation Fluid: YES Compat. NO

Fracture Gradient Information: .861PSIG/FT Parting Pressure 2500 PSI

Affidavit of Notice to Owners: YES

Fresh Water Aquifers in Area: THERE ARE NO USDW'S IN AREA

Depth Base of Moderately Saline Water: 4800-5000 MEAN SEA LEVEL

Confining Interval: GREEN RIVER AND WASATCH SHALES

Reviewer: D. JARVIS Date: 11-24 -92

Comments & Recommendation WELL IS BEING DRILLED NEED TO RUN MIT AT TIME OF CONVERSION, NEED ANALYSIS OF INJECTION FLUID.

Monument Federal #33-6

(Proposed Location)

NW SE Sec. 6, T9S, R17E

Lease No. U-020252A

MONUMENT BUTTE FIELD

DUCHESNE CO., UTAH

Proposed Injection Well Completion Diagram

BALCRON OIL

7-20-92

SURFACE CASING

8 5/8", K-55, 24#

Landed @ 260' KB

Cemented w/250 sx, Class-G, 3% CaCl.

Cemented to surface.

Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", J-55, 15.5#

Landed @ 5580' KB

Cement Data:

250 sx Hifill w/10#/sx Gilsomite

tailed w/180 sx 50-50 poz w/0.3%

CFR-3, 1/4#/sx Flocele, 0.5% Halad-24

& 10% Salt.

Cemented to surface.

Hole Size @ 7 7/8"

TUBING & PACKERS

2 3/8", J-55, 4.7#

Landed @ 5130' KB

Retrievable Csg Tension Packer

Landed @ 5134' KB

Tandem Tension Packer Landed @ 4810' KB

Tandem Tension Packer Landed @ 4630' KB

Wireline retrievable downhole flow
regulators set to control the flowrate
into each injection zone.



— Uintah Formation Surface to 1400 ft.

— Green River Formation 1400 to 4100 ft.

PROPOSED PERFORATIONS

4650'- 4660' (10') 2 SPF

4830'- 4850' (20') 2 SPF

5150'- 5170' (20') 2 SPF

100 Holes

— Douglas Creek Member 4100 to 5350 ft.

— Wasatch Fm. Transition 5350 to 6000 ft.

WELL REPORT

RECEIVED

NOV 30 1992

DIVISION OF
OIL GAS & MINING

CONFIDENTIAL

Monument Butte Field
Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

43-013-31361

UWSE

BY

DENNIS REHRIG & ASSOC., INC.

OIL & GAS CONSULTING

4924 Rimrock Road
Billings, Montana 59106

(406) 656-4785

WELLSITE GEOLOGISTS REPORT

Monument Butte Field
Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

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Oil & Gas Exploration

4924 RIMROCK ROAD • BILLINGS, MONTANA 59106 • (406) 656-4785

Monument Butte Field
Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

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2-4	Well Data
5	Daily Drilling History
6	Surveys
7	Bit Record
8	Mud Record
9	Time/Depth Penetration Curve
10	Drilled Well Formation Tops
11	Reference Well Formation Tops
12	Significant Gas and Sample Shows
13- 18	Core Reports and General Descriptions
19-46	Sample Descriptions
Insert	Geological Well Log

By:

Dennis C. Rehrig
Consulting Geologist

For:

Dennis C. Rehrig & Associates, Inc.

Monument Butte Field
Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL Sec. 6, T9S-R17E
Duchesne County, Utah.

GENERAL REVIEW

The Balcron Oil Co. 33-6 Monument Butte-Federal (NW¼SE¼ S-6, T9S-R17E, Duchesne County, Utah) was drilled as an infill development well in the Monument Butte Field.

This well was supported by extensive subsurface offset well control and drilled for future water flood control and identification of anticipated additional Douglas Creek and Wasatch Tongue oil sands.

The surface hole was air drilled and surface casing was set prior to moving Molen Drilling Co. Rig No. 1 on location and spudding on November 3, 1992. A two-man mud logging unit and wellsite geologist were on-site from 1000' to total depth. The Green River and Douglas Creek formations were penetrated at 1410' and 4628' making them respectively 31' and 43' structurally high to the offset Diamond Shamrock Corp. 32-6 Allen-Federal (SW¼NE¼ S-6, T9S-R17E) control well.

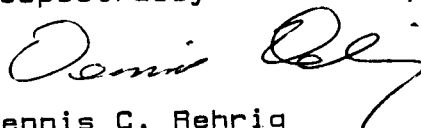
Three 4" whole cores were taken from Douglas Creek member Sandstone intervals. In addition, other numerous Sandstones were penetrated with gas and sample shows, which are noted elsewhere in this report.

This well was drilled to 5740' (Driller) and 5743' (Logger).

Subsequent to log review the operator elected to run 5½" production casing to total depth.

The rotary was released 11/17/92.

Respectfully submitted,



Dennis C. Rehrig

WELL DATA

OPERATOR: Balcron Oil Company

LEASE & WELL NO.: Monument Butte-Federal 33-6

LOCATION: 1832' FSL, 1829' FEL, Sec. 6, T9S-R17E

PROSPECT/FIELD: Monument Butte Field

COUNTY: Duchesne

STATE: Utah

BASIN: Uintah

WELL TYPE: Development

BASIS FOR PROSPECT: Subsurface well control

ELEVATIONS: 5267' G.L. 5278' K.B.

SPUD DATE: 6:00 AM (MST) 11/3/92 (Rotary)

OUT FROM UNDER
SURFACE CASING: 6:00 AM (MST) 11/3/92 (Surface casing
previously set)

DRILLING COMPLETED: 10:15 PM (MST) 11/14/92

LOGGING COMPLETED: 2:30 PM (MST) 11/15/92

RIG RELEASE: Time unknown 11/17/92

TOTAL DAYS SPUD
THROUGH LOGGING: 13 days

TOTAL DEPTH: 5740' (Driller) 5743' (Logger)

TOTAL DRILLING DAYS: 12 days (surface casing previously set)

HOLE SIZE & CASING:

<u>Hole Size</u>	<u>Casing Size</u>
12¼" Surface to 271'	8 5/8" surface to
7 7/8" 271' to T.D.	271' K.B.
	5½" Production csg to
	5714' K.B.

WELL STATUS: Cased for completion attempt in Douglas
Creek

PENETRATION: 265' into Wasatch Tongue

COMPANY DRILLING
CONSULTANT:

Al Plunkett

DRILLING CONTRACTOR:

Molen Drilling Co.

RIG NO.:

1

TOOLPUSHER:

Chuck Doornek

RIG SPECIFICATIONS:

Draw works - EMSCO GB-250T, Powered by 2 -
Detroit 6-71 300 HP Diesels, Derrick -
Idela, 104' mast.

BLOW OUT PREVENTER:

Make: Shaffer LWS. Type: 10" X 3000 lbs.
Drill Pipe: Size 4½" OD, 2¼" ID, Thread
XH. BHA: Length 840.00', 16 jts-6" DC-
474.29' & -12 jts heavy weight pipe
360.71'. Tool joints: 6¼" OD, Type - XH.

PUMPS:

No. 1: EMSCO D-375 14" stroke 6" liner.

MUD COMPANY AND
ENGINEER:

Unibar Drilling Fluids, Inc.
Gerald Ashcraft

MUD PROGRAM:

FreshWater 0-3000'
KCL/Water 3000'-T.D.

ELECTRIC OPEN-HOLE
LOGGING PROGRAM:

Schlumberger Well Services
Engineer - John Phillips
Witnessed by - Dennis Rehrig & Al Plunkett
- Array Induction/Rwa Image High Resolution
(272'-5726')
- Array Induction with Gamma Ray (272'-5726')
- Compensated Neutron/Litho-Density (2500'-
5726')
- NGT (2500'-5726')

LOST CIRCULATION ZONE
OR DRILLING PROBLEMS:

None observed

WELLSITE GEOLOGIST:

Dennis C. Rehrig

SAMPLING PROGRAM:

30' Samples from 1000-4110'
20' Samples from 4110'-Total Depth, except
caught 10' Samples through drilling breaks.

SAMPLE QUALITY:

Generally good unless noted otherwise.

SAMPLE DISPOSITION:

Utah Geological Survey, Salt Lake City,
Utah.

MUD LOGGING EQUIP.:

Cate Logging - two man unit operated by
Paul Nielsen & Gerry Brooke

CORE PROGRAM:

<u>No.</u>	<u>Interval</u>	<u>Formation</u>	<u>Cut</u>	<u>Rec.</u>
1	4666-4696' (Drlr)			
	4661-4691' (Logger)	Douglas Creek	30'	30'
2	4800-4842' (Drlr)			
	4796-4838' (Logger)	Douglas Creek	42'	42'
3	5104-5164' (Drlr)			
	5100-5160' (Logger)	Douglas Creek	60	58.5'

DRILL STEM TEST:

None.

SURFACE CASING:

8 5/8" New, 24 wt, J-55 Gr-STC, 6 jts,
Surface - 271' K.B. Cemented w/161 sxs 75%
Class 'G' & 25% Pozmix w/2% CaCl₂ & ¼
lb/sx Celloflake. Plug down @ 2:00
PM (MST) 10/28/92. Surface hole drilled &
casing set by small air-impact rig.

PRODUCTION CASING:

Ran 125 jts 5½" 15.5 lb K-55 casing to
5713.92' K.B. Cemented w/226 sxs Hilift
and 400 sxs Class 'G'. Plug down @ 4:00 AM
11/16/92.

PLUGGING RECORD:

None.

Balcron 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

DAILY DRILLING HISTORY

Daily drilling reports taken primarily from Rig Tower Sheets and supplemented by Drilling Supervisor. Day commenced at 8:00 AM (MST) of prior day of report and ends at 8:00 AM (MST) day of report.

Days Since Spud	Date	Penetration		Hours			Bit No.	WOB(M)	RPM	PP	Activity
		Depth	Ftg in Last 24 hrs.	Drlg.	Maint & Repairs	Other					
1	11/3 1992	305	34	2	0	22	1RR	25	50	500	Rig-up, weld on well head, nipple up BOP, test stack, test casing, PU DC & tag cement @ 200', drlg cement to 271'. (Note surface csg set to 271' K.B.) Spud 7 7/8" hole @ 6:00 AM 11/3/92.
2	11/4	1357	1052	23	0	1	1	35/40	70	650	Drlg, survey.
3	11/5	2443	1086	21.50	1.0	1.50	1	30/40	65/70	750	Drlg, survey, repair pump, drlg & survey.
4	11/6	2716	273	13.25	0	10.75	2RR	10/12	80/90	750	Drlg, survey, drop survey. TOH to change bit because of hole deviation, WO stabilizer, PU stabilizer, TIH, drlg, survey.
5	11/7	2912	196	19.00	0	5.00	2	19	80/90	750	Survey, drlg, survey, TOH to change BHA.
6	11/8	3495	583	19.00	0	5.00	2	35/40	65/70	750	TIH - no fill, drlg, survey.
7	11/9	4206	711	23.00	0	1.00	2	40	65/70	750	Drlg, survey.
8	11/10	4666	460	15.75	0	8.25	2	30/40	65/70	800	Drlg, survey, drlg, circ samples for core, hoist for reamers, drop survey, PU reamers, TIH w/DC & HWP, cut drlg line, TIH to ream.
9	11/11	4696	30	0	0	24.00	Core	15/20	800	650	TIH to ream dog leg, reaming, trip to btm, ream 100' to btm, circ, TOH for core, PU core barrel, TIH w/core barrel, wash 20' to btm, no fill, coring, TOH w/core, hoist core, recover 30' core, dress core barrel & stand back, TIH.
10	11/12	4862	166	5.00	1.75	17.25	Core 3RR	35/40	65/70	800	TIH, wash & ream 30' to bottom, no fill, drlg, TOH, drop survey, finish TOH, PU core barrel, TIH w/core barrel, wash 30' to bottom, core, TOH w/core, hoist core, recover core, dress core barrel & stand back, TIH, wash to bottom, drlg, repair bearing on drive shaft.
11	11/13	5104	242	5.25	12.50	6.25	4RR	40	65	800	Work on drawworks, replace bearing, drlg, drop survey, TOH for core.
12	11/14	5386	282	9.50	0	14.50	5RR	35/40	50/55	800	TOH, make up core barrel, TIH, wash & ream 30' to btm, core, TOH w/core barrel, hoist core, recover core, breakdown, lay down core barrel, TIH, drlg.
13	11/15	5740	354	14.25	0	9.75	5RR	40	60	800	Drlg, reached TD, circ samples, circ for E-Logs, pump pill, TOH for E-Logs, hoist for E-Logs, WO E-Logs, RU E-Logs.
14	11/16	5740	--	--	--	--	--	--	--	--	Run E-Logs, TIH, LD drill collars & drill pipe, run 5 1/2" csg & cement, clean tanks & nipple down.
15	11/17	5740									Released rig.

Balcron Oil Co. 33-6 Monument Butte-Federal
 1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
 Duchesne County, Utah

SURVEYS VERTICAL HOLE

<u>Drilling Depth</u>	<u>Degrees</u>
366'	1/2°
907'	3/4°
1429'	1°
1917'	3/4°
2503'	4°
2594'	5 1/4°
2658'	6° +
2658'	6 1/2°
2719'	6 3/4°
2780'	6 1/2°
2842'	6 1/4°
2902'	4 1/2°
2959'	3 3/4°
3022'	3°
3082'	1 1/2°
3175'	1°
3266'	1°
3358'	1°
3481'	1 1/4°
3605'	1°
3912'	2°
4310'	2 3/4°
4666'	3 1/2°
4800'	3°
5104'	2 1/2°
5719'	2°

BIT RECORD

Company: Balcron Oil Co.
 Field: Monument Butte. Lease: Federal.
 Tool Pusher: Chuck Doornek.
 Day Driller: John Larson
 Evening Driller: Joe Wipf
 Morning Driller: A. E. Cook

Contractor: Molen Drilling Co.
 Well No. 33-6. Sec. 6, T9S-R17E.
 Drill Pipe: Hughes- 4½"- Type E.
 Tool Joints - 4½" XH.
 Drill Collar-O.D. 6" I.D. 2 3/4" BHA.
 Length - 840.00'

Rig. No. 1. County: Duchesne
 State: Utah.
 Drawworks: EMSCO GB-250T.
 Power: 2-Detroit 6-71 - H.P. 300.
 Pump No. 1: EMSCO, Model D-375, Stroke 14"

Spud Date: Surf. previously set
 Under Surf.: 11-3-92

T.D. Date: 11-14-92

Bit No.	Bit Mfg.	Bit Size	Bit Type	Jet Size			Serial No. Of Bit	Depth		Hours Run	Weight 1000 #	Rotary R.P.M.	Vert. Dev.	Pump Press	Pumps			Mud		Dull Code			Remarks
				1	2	3		Out	Ftge.						No.	Liner	SPM	Wt.	Vis.	T	B	G	
1RR	STC	7 7/8	F4HRR	14	14	14	KV0103	2594	2328	50 1/4	35/40	60-70	5	700	1	6	54	8 ⁴	26	2	2	I	Sing
2RR	STC	7 7/8	F45RR	14	14	14	KT9847	4666	2051	86 1/4	35/40	60-70	3 1/4	800						2	2	I	Sing.
1	DBS	7 7/8	CMPZI			.50	5920019	4697	24	1	20	80											Std.
1RR	STC	7 7/8	F4HRR	14	14	14	KV0103	4800	103	4 1/2	35	65	3	850									Std.
2RR	DBS	7 7/8	CNPZI			.50	5920019	4842	42	2	10/20	65	3	850									Std.
2RR	STC	7 7/8	F45RR	14	14	14	KT9847	5101	243	10	35/40	65											Std.
3RR	DBS	7 7/8	CMPZI			.50	5920019	5164	64	3 1/4	14/16	80											Std.
2RR	STC	7 7/8	F45RR	14	14	14	KT9847	5740	576	23 3/4	40	65-70	2	800						2	2	I	Std.

Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

Unibar Drilling Fluids, Inc.
Representative: Gerald Ashcraft

DAILY DRILLING MUD REPORT

	1952 11/3	11/4	11/5	11/6	11/7	11/8	11/9	11/10	11/11	11/12	11/13	11/14	11/15
	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit	Pit
Sample From	2:00 PM	2:15 PM	11:45 AM	9:45 AM	11:00 AM	10:00 AM	1:00 PM	12:00 PM	9:30 AM	12:00 PM	10:30 AM	9:30 AM	10:30 AM
Time Sample Taken	484'	1640'	2560'	2730'	2945'	3584'	4370'	2900'	Reaming 4695'	4862'	5104'	5448'	5740'
Depth (ft) MD	8.4	8.4+	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5
Weight (ppg)	26	26	26	26	26	26	26	26	26	26	26	26	26
Funnel Viscosity (sec/qt) A.P.I.	26	26	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Retort Solids (% by vol)			98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
Retort Liquid (% by vol, oil/ water)	9.7	10.0	9.7	10.2	10.2	9.7	9.9	9.7	9.7	9.7	9.5	9.5	9.5
ph Meter													
Alkalinity Filtrate (P _f / M _f)	.4/.7	.6/.8	.5/.8	.8/.9	.8/.9	.4/.8	.5/.6	.4/.5	.4/.5	.4/.5	.3/.4	.3/.4	.4/.5
Chloride (mg/L)	5000	6500	7500	6800	7500	10,000	11,000	11,000	9000	11,000	11,000	10,500	12,000
Total Hardness as Calcium (mg/L)	40	40	20	80	120	20	80	60	60	120	80	20	120
Remarks			Native Water		Start To Add KCL @ 3000'								

TIME /DEPTH PENETRATION CURVE



Balcron Oil Co. 33-6 Monument Butte-Federal
 1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
 Duchesne County, Utah

FORMATION TOPS

ELEVATIONS: G.L. 5267', K.B. 5278'

<u>Formation</u>	<u>E-Log Top</u>	<u>Subsea Datum</u>	<u>Structural Relationship To Reference Well *</u>
Green River	1410'	(+3868')	31' Hi
Horseshoe Bend	2200'	(+3078')	41' Hi
Douglas Creek	4628'	(+ 650')	43' Hi
2nd Douglas Creek Mkr.	4876'	(+ 402')	39' Hi
Green Marker	5024'	(+ 254')	39' Hi
Wasatch Tongue	5478'	(- 200')	NDE
TOTAL DEPTH:	5743' Logger		

* Reference Well

Diamond Shamrock Corp. 32-6 Allen-Federal
 SW¼NE¼ Sec. 6, T9S-R17E
 Duchesne County, Utah

Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

REFERENCE WELL E-LOG FORMATION
BOREHOLE AND SUBSEA DATUMS

Diamond Shamrock Corp.
32-6 Allen-Federal
SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 6, T9S-R17E
Duchesne County, Utah

K.B. 5337'

Formation

Green River	1500'	(+3837')
Horseshoe Bend	2300'	(+3037')
Douglas Creek	4730'	(+ 607')
2nd Douglas Creek Marker	4974'	(+ 363')
Green Marker	5122'	(+ 215')
Wasatch Tongue	NP	

TOTAL DEPTH: 5401' (Logger)

Note: Correlations provided by operator.

Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL Sec, 6, T9S-R17E
Duchesne County, Utah

SIGNIFICANT GAS KICKS & DRILLING BREAKS

Provided By Mud Logger

<u>Formation</u>	<u>Sample Depth</u>	<u>Time</u> (Before-During-After)	<u>Gas</u> (Before-During-After)
		<u>Min/Ft</u>	
Horseshoe Bench	2630-2650'	6.0-1.8-4.0	20-130-30
" "	2695-2705'	3.8-2.0-3.2	24-90-44
" "	2760-2775'	3.0-2.4-4.0	20-60-22
" "	2925-2950'	3.0-2.2-4.0	25-54-20
" "	3612-3619'	1.4-0.8-1.8	16-28-15
" "	4174-4192'	1.5-0.5-1.5	28-304-72
" "	4208-4226'	1.5-0.5-2.0	28-400-64
Douglas Creek	4658-4670'	2.0-1.5-2.0	40-360-80
" "	4818-4826'	2.5-1.0-3.0	45-350-45
" "	5128-5134'	4.0-2.5-4.0	220-1080-360
" "	5147-5151'	2.5-2.5-4.0	420-840-200
Wasatch Tongue	5636-5654'	2.0-1.0-2.0	30-150-30

POTENTIAL SS ZONES

Provided by Wellsite Geologist

E-Log Depth

2628-2648'
2696-2712'
3608-3616'
3842-3846'
4164-4187'
4202-4222'
4660-4665' (Cored)
4672-4675' (Cored)
4814-4824' (Cored)
5123-5125' (Cored)
5128-5132' (Cored)
5136-5146' (Cored)
5634-5654'

FORMATION: Douglas Crk INTERVAL: 4666'-4696'

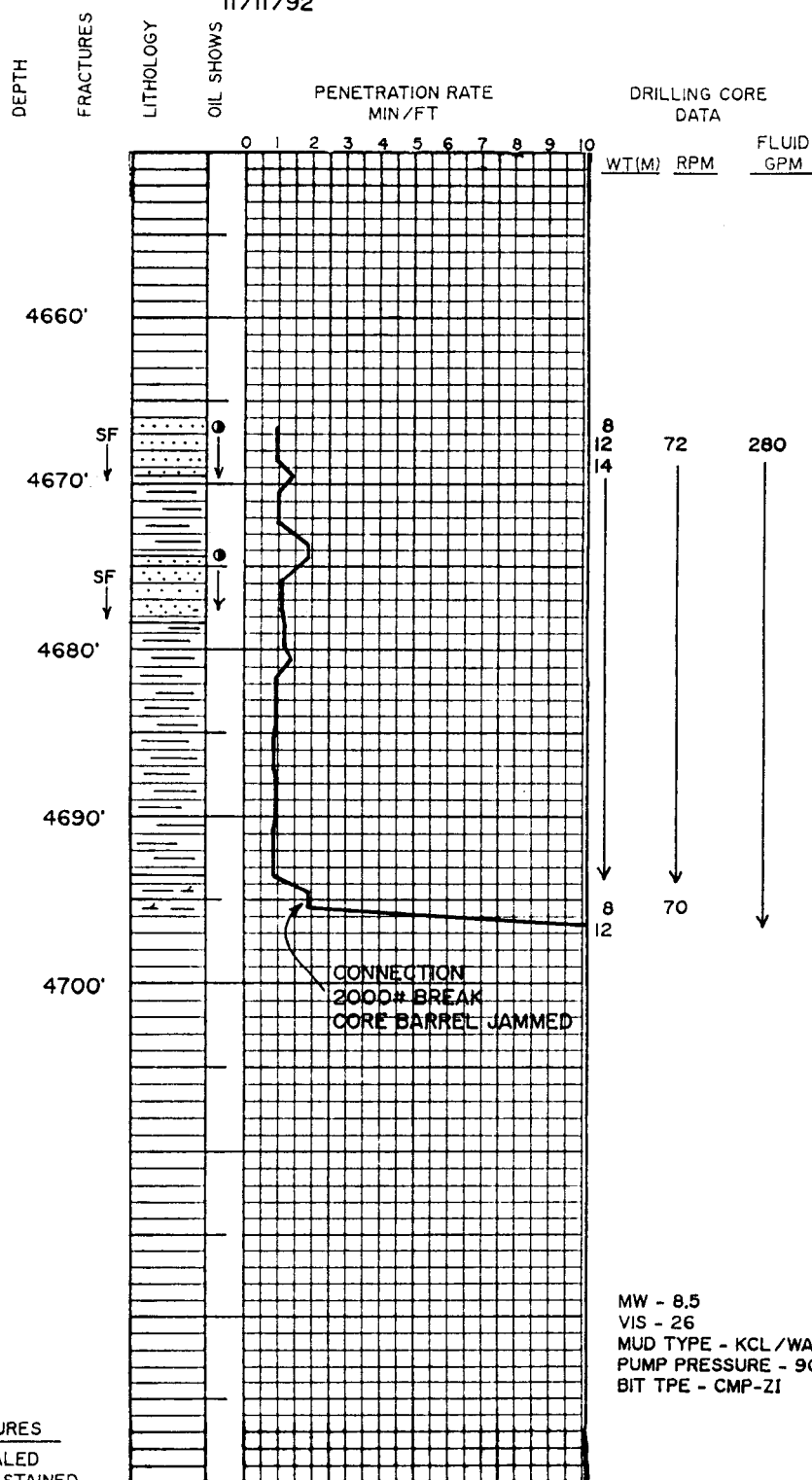
CUT: 30'

RECOVERED: 30' CORE COMPANY: DBS

HOLE SIZE: 7 7/8" CORE SIZE: 4"

DATE: 11/10/92-
11/11/92

WELL SITE ANALYSIS BY: DENNIS C. REHRIG



FRACTURES

HF - HEALED
SF - OIL STAINED
WF - WET
VSSF - VERY SLIGHTLY
OIL STAINED

MW - 8.5
VIS - 26
MUD TYPE - KCL/WATER
PUMP PRESSURE - 900#
BIT TPE - CMP-ZI

Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec 6, T9S-R17E
Duchesne County, Utah

General Description For Core No. 1: (see previous page)

Core No. 1: Cut 30' and recovered 30' of 4" diameter whole core in the Douglas Creek interval of the Green River formation.

The top 3.5' of core consisted of very fine grained Sandstone ranging to Siltstone, which was well consolidated and moderately well sorted. Intergranular porosity is likely limited due to calcareous cement and sorting. This zone was evenly oil stained and exhibited good oil odor, some vertical hairline fracturing and only a trace of bleeding oil or gas.

The next 4.8' was dark gray, hard Shale. It was slightly calcareous and had frequent very thin even to wavy carbonaceous laminae.

Next a 4.0' Siltstone ranging to very fine grained Sandstone was penetrated. Some subtle coarsening occurred near the base in very thin moderately sloping Sandstone beds and black carbonaceous laminae. A sharp contact marked the base going to Shale. Generally dark brown oil stain was less even than the top zone, but oil and gas did bleed from bedding planes and hairline fractures. Porosity appeared fair in part and permeability was enhanced by fracturing.

Beneath this Siltstone/Sandstone zone was 15.1' of dark gray Shale. It was moderately calcareous, hard and exhibited much uneven to wavy very thin black-dark gray carbonaceous laminae.

The basal 2.6' of this core was a Shale-dolomitic Shale, which was dark brown, hard, brittle with conchoidal fracture and exhibiting some very thin carbonaceous laminae.

The intent was to take a 40' core, but the barrel jammed after making a connection.

Note the fracturing was restricted to Sandstone/Siltstone intervals. By in large this sedimentary section exhibits a low energy regime, with slow but methodic seasonal deposition, even the Sandstones are very fine grained and generally exhibit even laminae bedding, with very thin bed sets. Note the second Sandstone/Siltstone encountered did have subtle coarsening near the base in some depositional sloping very thin beds, but without cross bedding.

FORMATION: Douglas Crk INTERVAL: 4800'-4842'

CUT: 42'

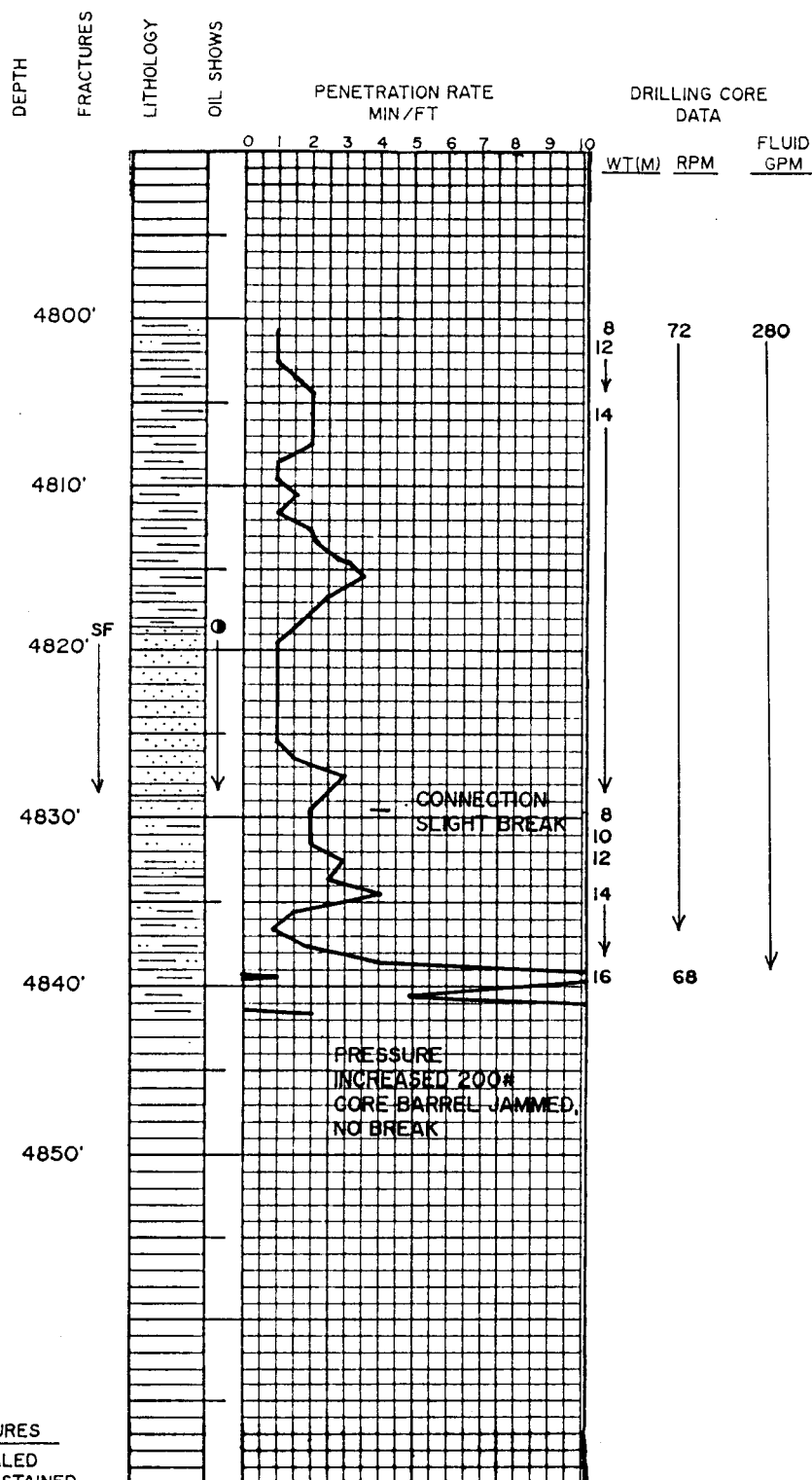
RECOVERED: 42' CORE COMPANY: DBS

HOLE SIZE: 7 7/8"

CORE SIZE: 4"

DATE: 11/11/92

WELL SITE ANALYSIS BY: DENNIS C. REHRIG



MW - 8.5
VIS - 26
MUD TYPE - KCL / WATER
PUMP PRESSURE - 800#
BIT TYPE - CMP-ZI

Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

General Description of Core No. 2 (see previous page)

Core No. 2: Cut 42' and recovered 42' of 4" diameter whole core in the Douglas Creek interval of the Green River formation.

The top 2.2' of this core was medium-dark gray, with some poorly sorted Siltstone and very thin wispy laminae. Then 3.8' of dark gray, hard, brittle and generally highly calcareous and wispy laminated Shale was drilled.

Underneath this was 12.5' of Shale with some inter-mixed Siltstone, light to medium gray, moderately calcareous with a high concentration of uneven to wispy laminae of Shale, silt and carbonaceous material.

Then 10.2' of very fine grained Sandstone ranging to Siltstone potential pay was penetrated. It was hard and well consolidated, but generally dark brown-amber oil stained, with open hairline fractures running the length of the Sandstone. Some intervals were poorly stained to unevenly stained, suggesting poor vertical matrix permeability. Fair-poor matrix intergranular porosity was noted. Near the base of this Sandstone there is subtle coarsening downward with sloping bedding planes and Shale drape.

Underneath this Sandstone was 5.7' of generally poorly sorted argillaceous Siltstone with some thin beds of Shale interspersed. No stain or show was observed.

The bottom 7.6' was predominately medium-dark gray Shale with some argillaceous Siltstone interspersed, much uneven-wispy very thin laminae are present. Also, a thin 2" soft bentonitic Shale was observed.

A 60' core was planned, but at 42' the core barrel jammed.

As in Core No. 1, the hairline vertical fracturing was limited to the Sandstone zone and the majority of cored interval represents a very low energy regime. Modest water flow is noted in the Sandstone, particularly where subtle coarsening downward in 10° plus sloping very thin beds and laminae, accompanied by Shale drape, were observed near the base of the unit.

CUT: 60'

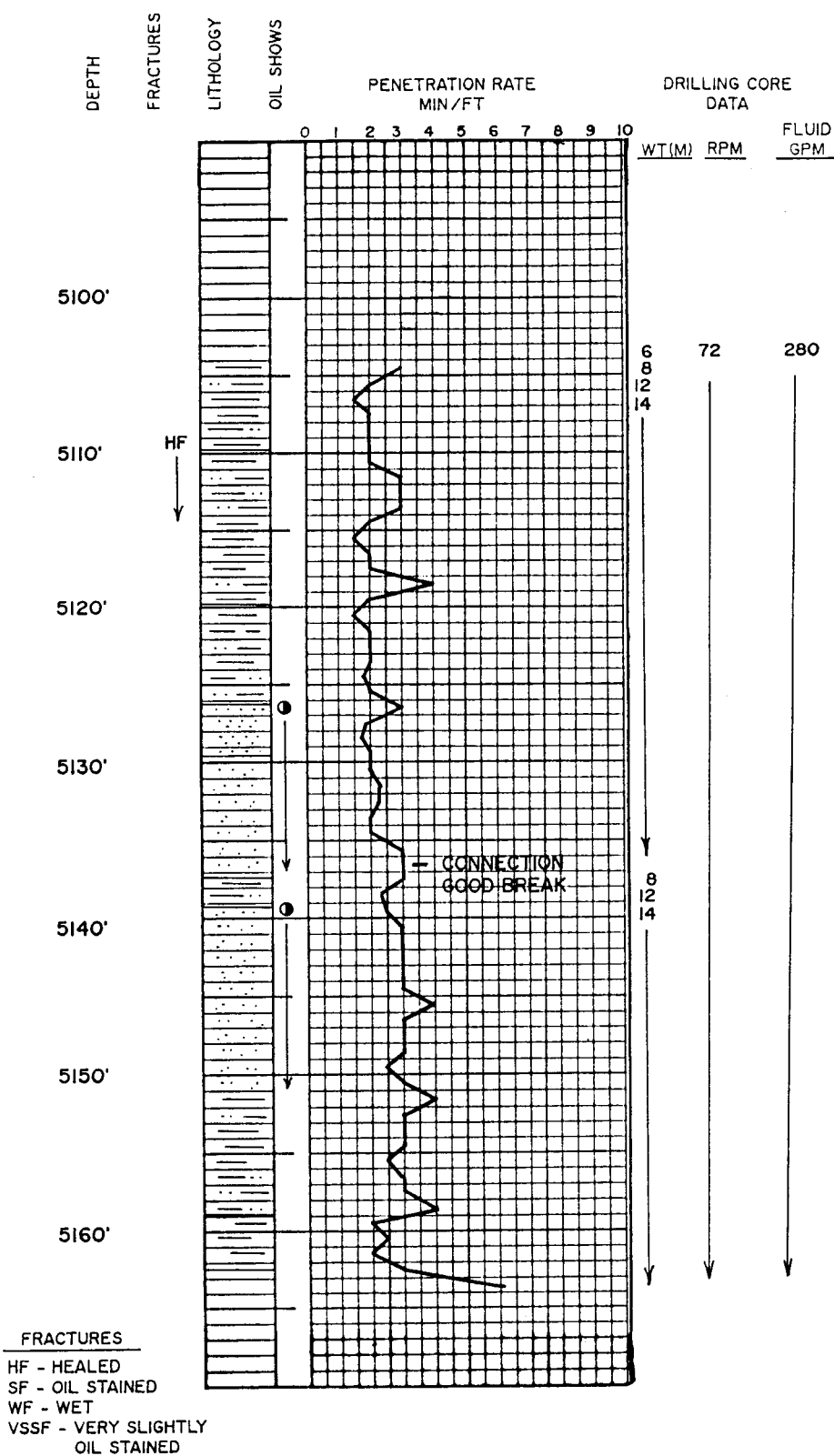
RECOVERED: 58.5' CORE COMPANY: DBS

HOLE SIZE: 7 7/8"

CORE SIZE: 4"

DATE: 11/13/92

WELL SITE ANALYSIS BY: DENNIS C. REHRIG



MW - 8.5
VIS - 26
MUD TYPE - KCL/WATER
PUMP PRESSURE - 800#
BIT TYPE - CMP-ZI

Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

General description For Core No. 3 (see previous page)

Core No. 3: Cut 60' and recovered 58.5' of 4" diameter whole core in the Douglas Creek member of the Green River formation. It was assumed the bottom 1.5' was lost.

The top 22.1' was an alternating layering of Shale and Siltstone generally deposited in very thin beds and laminae, with some burrowing noted in the upper sections. No apparent shows were observed where the whole core was visually inspected.

Next a 3.5' very fine grained Sandstone was observed which was the best reservoir in this core. Although staining was generally spotty and uneven, some dark brown oil and gas did bleed mostly from some bedding planes.

Generally the next 21.4' was Siltstone ranging to very fine grained Sandstone with some Shale beds. The zone was tight in general with some spotty dark brown oil stain and a slight amount of bleeding gas and oil. Very thin bedding and laminae were common and porosity generally appeared to be poor.

The bottom 11.5' was predominately Shale with some tight Siltstone.

Contrary to Cores 1 and 2, no hairline vertical fracturing was observed in the Sandstone intervals, although some closed fractures were present in predominately Shale near the top of the core. Again, a very low energy regime prevailed throughout almost all of this depositional sequence.

Balcron Oil Co. 33-6 Monument Butte-Federal
1832' FSL, 1829' FEL, Sec. 6, T9S-R17E
Duchesne County, Utah

SAMPLE DESCRIPTIONS

By: Dennis C. Rehrig

Samples caught and lagged from shale shaker by Mud Loggers. Samples were examined wet, under reflected light and 2X magnification from 1000' to total depth, for porosity identification samples were dried. Sample descriptions generally tie well to drill time log. Sample quality was good unless stated otherwise in descriptions. All sample descriptions are interpretative.

- 1000-1030 Siltstone, generally light gray, frequently medium gray, occasionally cream, moderately-highly calcareous, moderately soft-moderately firm, medium-dark gray carbonaceous material in part, trace pyrite, some Shale, light gray-cream, soft, moderately-highly calcareous, trace pyrite. Trace Limestone, cream-white, micro-crystalline, moderately firm, argillaceous in part.
- 1030-1060 Generally as above with more Siltstone, frequent glauconite, trace mica.
- 1060-1090 Siltstone and Shale, as 1000-1030 above. Frequent Limestone, slightly orange-dark tan-occasionally cream, microcrystalline-cryptocrystalline, firm-moderately firm, dense, possibly some silt grains interspersed.
- 1090-1120 Shale, medium-dark gray-brownish gray, occasionally light gray, moderately calcareous, sub-blocky to sub-platy in part, moderately firm-occasionally soft. Siltstone, clear-cream, firm-moderately firm, well consolidated, some glauconite and argillaceous fragments, slight calcareous cement. Occasional Sandstone, very fine grained, firm, well consolidated, no apparent porosity, some calcareous cement, moderately well sorted, sub-rounded, trace glauconite and argillaceous material, no show, fluorescence or cut.
- 1120-1150 Shale, Siltstone and Sandstone, as above, also frequent Limestone, slightly orange-slightly buff, microcrystalline-cryptocrystalline, moderately firm-moderately soft, dense, some silt grains.
- 1150-1180 Calcareous Shale, cream-light gray, frequently earthy-grainy, specks-streaks carbonaceous

material, moderately firm-moderately soft. Some Siltstone, as above. Frequent Limestone, slightly orange, as above.

- 1180-1210 Siltstone, cream-white, calcareous cement, moderately well consolidated, frequently speckled with glauconite and carbonaceous material, no show, fluorescence or cut, frequent mica and pyrite. Shale, buff-tan, frequently cream-light gray, generally mottled, calcareous, moderately firm-occasionally soft, sub-splintery, some pyrite. Trace Limestone, as above.
- 1210-1240 As above, but more Shale with trace black Bitumen.
- 1240-1270 Limestone, white-cream, occasionally light gray, very slightly argillaceous in part, carbonaceous in part, microcrystalline, moderately firm, dense, some slight orange Limestone, as above. Shale, light-medium gray-tan-medium brown, sub-blocky, firm, moderately-highly calcareous, frequently carbonaceous, trace mica and pyrite.
- 1270-1300 Shale, light-medium gray, occasionally grayish brown, moderately-slightly calcareous, firm-moderately firm, sub-blocky to sub-splintery. Siltstone, cream-light gray, occasionally cream, moderately firm, generally specks of glauconite and carbonaceous material, calcareous cement, no show, fluorescence or cut.
- 1300-1330 Sandstone, very fine grained grading to Siltstone, clear-white, moderately unconsolidated, calcareous cement, sub-angular to sub-rounded, moderately well sorted, no show, fluorescence or cut, trace mica and pyrite, some carbonaceous material. Some dolomitic Limestone, orangish tan-tan, cryptocrystalline, firm-moderately firm, slightly argillaceous in part, dense.
- 1330-1390 Siltstone, clear-white, moderately calcareous cement, frequent specks glauconite and carbonaceous material, moderately firm-moderately soft, moderately consolidated-slightly consolidated, no show, fluorescence or cut. May grade occasionally to very fine grained Sandstone. Occasional Shale, light-medium gray, as above.
- 1390-1420 Siltstone, clear-white, moderately calcareous cement, moderately firm-friable in part, specks

glauconite and carbonaceous material, no show, fluorescence or cut, frequently grades to Sandstone, very fine grained, generally as above, moderately unconsolidated, sub-angular to sub-rounded, moderately well sorted. Shale, light-medium gray, occasionally cream, some streaks carbonaceous material, calcareous, moderately firm-moderately soft, sub-blocky.

- 1420-1450 Siltstone and Shale, as above. Argillaceous Limestone, 10-15%, tan-buff, occasionally medium brown, cryptocrystalline, occasionally microcrystalline, moderately firm, dense, specks carbonaceous-argillaceous material.
- 1450-1510 Argillaceous Limestone-limy Dolomite, tan-medium brown-grayish brown, occasionally buff-orangish tan, microcrystalline-cryptocrystalline, moderately firm, some specks dark brown carbonaceous material, no show, fluorescence or cut, but dull yellow mineral fluorescence, dense. Shale, white-cream-light gray, frequently mottled-streaked with dark gray-medium dark brown carbonaceous material, soft-moderately soft. Siltstone, clear-light gray, looks dirty, calcareous cement, much argillaceous and/or carbonaceous material, moderately firm and moderately well consolidated, no show, fluorescence or cut.
- 1510-1540 As above, but increase of limy Dolomite-argillaceous Limestone, buff-tan-medium brown-grayish brown, carbonaceous - trace Bitumen, no show, fluorescence or cut, some dull yellow mineral fluorescence, cryptocrystalline-microcrystalline, firm-moderately firm. Some Siltstone and Shale. appears to have black carbonaceous material - petroliferous material, no show, fluorescence or cut.
- 1540-1600 Limy Dolomite, tan-medium brown, cryptocrystalline, hard-firm, sub-platy to sub-blocky in part, some carbonaceous material. Ranges to Dolomite-argillaceous Dolomite, dense, no show, fluorescence or cut. Argillaceous Limestone-argillaceous dolomitic Limestone, generally buff-occasionally cream, cryptocrystalline, moderately firm-soft, frequent carbonaceous material, dense, sub-platy in part.
- 1600-1660 As above, some pyrite. Some Shale, tan-medium brown-grayish brown, calcareous, soft, some carbonaceous material.

1660-1750	Limy Dolomite and argillaceous Limestone-argillaceous dolomitic Limestone as 1540-1600 above, frequent pyrite.
1750-1840	Limy Dolomite-Dolomite, brown-grayish brown, cryptocrystalline, firm-moderately firm, argillaceous in part, dense. Argillaceous Limestone, cream-buff-light tan, cryptocrystalline, soft, marly-earthy, no show, fluorescence or cut.
1840-1870	Limy Dolomite-Dolomite, medium gray, brownish gray-occasionally medium brown, cryptocrystalline, firm-moderately firm, argillaceous in part, dense, some pyrite. Argillaceous Limestone, cream-light gray-buff, cryptocrystalline, soft-marly in part-earthy in part, dense, trace pyrite, slightly bentonitic in part.
1870-1930	As 1840-1870 above. Some Dolomite, clear-light gray-light tan, amber, translucent, cryptocrystalline-amorphous, hard-firm, sharp edges, looks like chert, dense.
1930-1960	Limy Dolomite-Dolomite, tan-medium gray-grayish brown, cryptocrystalline, hard-moderately firm, argillaceous in part, dense. Argillaceous Limestone, cream-light gray, occasionally buff, marly-earthy in part, bentonitic in part, frequently streaked-mottled with medium gray carbonaceous material, cryptocrystalline in part, <u>trace very weak dull yellow streaming cut.</u>
1960-2050	Limy Dolomite-Dolomite, light-medium gray-tan-medium brown, cryptocrystalline, moderately firm-occasionally hard, argillaceous in part, dense. Argillaceous Limestone, white-cream-buff, cryptocrystalline, soft-marly, possibly bentonitic in part, some microcrystalline disseminated pyrite.
2050-2110	Dolomite-limy Dolomite, tan-medium brown, occasionally grayish brown, microcrystalline, hard-moderately firm, slightly argillaceous in part, no show, fluorescence or cut. Frequent argillaceous Limestone, cream-buff, light gray, cryptocrystalline, soft-marly, earthy in part, dense, some streaks carbonaceous material, some pyrite.
2110-2140	Dolomite-limy Dolomite, generally as above, but frequently medium gray-occasionally brownish gray.
2140-2170	Dolomite-limy Dolomite, tan-medium brown, occasionally brown, occasionally amber-clear, hard-

moderately firm, argillaceous in part, crypto-crystalline, dense, trace pin point vugs with spotty dark brown oil stain, dull gold fluorescence and weak dull yellow streaming cut. Trace Siltstone, clear, some calcareous cement, glauconitic, some carbonaceous material, firm, trace show, as above.

- 2170-2200 Calcareous Shale, light-medium gray, firm, pyrite, sub-platy in part. Dolomite-limy Dolomite, as above. Siltstone, as above but more present, frequent spotty dark brown-black dead oil stain.
- 2200-2230 Dolomitic Limestone, light gray-cream-white, microcrystalline, moderately firm, dense, specks carbonaceous material. Siltstone, clear-white, calcareous cement, specks glauconite and carbonaceous material, firm, well consolidated, no show, fluorescence or cut.
- 2230-2260 Limy Dolomite-Dolomite, medium-dark gray-brownish gray, firm-moderately firm, slightly argillaceous in part, dense, trace pyrite, trace very weak dull yellow milky cut. Argillaceous Limestone, cream-light gray-buff, soft-marly, possibly bentonitic, cryptocrystalline, some light-medium gray carbonaceous material, trace pyrite.
- 2260-2350 Limy Dolomite-Dolomite, generally as above but primarily medium-dark brown-tan with similar cut. Argillaceous Limestone - generally as above but generally buff-light tan.
- 2350-2410 Limy Dolomite-Dolomite, dark brown-grayish dark brown, more argillaceous, moderately firm, dense, some carbonaceous material, very weak dull gold fluorescence in part, very weak dull yellow milky cut in part. Argillaceous Limestone, buff-light tan, cryptocrystalline, soft-marly, some carbonaceous material, very weak dull gold fluorescence in part, very weak dull yellow milky cut in part.
- 2410-2530 Limy Dolomite-Dolomite, medium dark brown-grayish brown, cryptocrystalline, hard-moderately firm, argillaceous in part - carbonaceous in part, slightly dark gray - petroliferous in part, dull yellow-dull gold fluorescence in part, very weak-weak dull yellow streaming-milky cut in part. Argillaceous Limestone, tan-buff, occasionally cream, cryptocrystalline, moderately soft-soft, occasionally marly, frequently earthy, some carbonaceous material, show similar as Limy

Dolomite-Dolomite above.

- 2530-2560 Limy Dolomite, grayish tan-grayish brown, micro-crystalline-cryptocrystalline, firm-moderately firm, dense, argillaceous in part. Some Limestone, clear-white, microcrystalline, occasionally cryptocrystalline, moderately firm-soft, dense.
- 2560-2590 Limy Dolomite-argillaceous Dolomite, tan-medium brown, frequently dark brown-slightly black, firm-moderately firm, microcrystalline-cryptocrystalline, dense, highly carbonaceous-slightly petroliferous in part, some Bitumen, dull yellow fluorescence in part with very weak pale yellow streaming to milky cut.
- Trip for bit @ 2594', did not circulate up samples.
- 2594-2620 Siltstone grading to very fine grained Sandstone, clear-white, calcareous cement, moderately firm, moderately well consolidated, no apparent porosity, some glauconite and black carbonaceous material. Possibly some black dead oil, trace dark brown oil stain with dull gold fluorescence and very weak dull yellow milky cut. Some pyrite. Shale, light gray-white, very calcareous, moderately firm-soft, frequently speckled with carbonaceous material, some pyrite.
- 2620-2650 Sandstone, very fine-occasionally medium grained, generally clear, generally loose grains to moderately unconsolidated, probably very good intergranular porosity, sub-rounded to sub-angular, moderately well sorted, frequent dark brown oil blobs, dull gold fluorescence and very good immediate bright yellow flash cut.
- 2650-2680 Shale, dark tan-dark brown to occasionally black, platy-sub-fissile, firm-moderately soft, very calcareous, algal laminae in part, highly carbonaceous-petroliferous, possibly some Bitumen, dull gold fluorescence in part, no cut.
- 2680-2710 Sandstone as 2620-2650 above with similar oil show.
- 2710-2740 Shale, light-medium gray, calcareous, soft-occasionally moderately firm. Siltstone grading to very fine grained Sandstone, clear-white, calcareous cement, moderately firm-friable in part, no apparent porosity, moderately well consolidated, some glauconite and carbonaceous

material, no stain, very weak dull yellow fluorescence in part, very weak slow dull yellow streaming-milky cut. Limy Dolomite to argillaceous Limestone as 2410-2530 above, probably cavings.

2740-2770

Shale, light-medium gray, calcareous, soft-moderately firm, pyritic in part. Siltstone, clear-white, moderately firm-moderately friable, some glauconite and carbonaceous material. Some Sandstone, very fine-fine grained, clear-white in part, calcareous cement, some loose grains-clusters, sub-rounded to sub-angular, moderately well sorted, some good intergranular porosity, some uneven specks of dark brown oil and some dark brown globules, some dull gold fluorescence, poor dull yellow streaming cut.

2770-2800

Shale, generally as above, some grayish tan Siltstone, generally as above, frequently light gray and argillaceous.

2800-2830

Shale, light-medium gray, frequently streaked with medium dark gray carbonaceous material, calcareous, microcrystalline, disseminated pyrite, soft-moderately firm. Argillaceous Limestone, generally buff-tan, occasionally cream, cryptocrystalline, generally soft, frequently earthy, some carbonaceous material.

2830-2890

Shale, tan-medium-dark brown-occasionally black, calcareous, moderately firm-soft, some algal laminae, highly carbonaceous-occasionally petrolierous, frequently platy-sub-fissile, dull gold fluorescence in part, with very weak dull yellow milky cut. Argillaceous Limestone, buff-light tan, occasionally cream, generally soft, earthy-marly in part, some carbonaceous material.

TOH @ 2912' to change BHA due to hole deviation, did not circulate out samples.

2890-2920

Shale, light-medium gray, occasionally dark gray, calcareous, moderately firm-soft. Siltstone, clear-white in part, some calcareous cement, moderately firm-friable in part, argillaceous in part. Some Sandstone, very fine-fine grained, occasional medium sized loose grains, clear-white in part, some calcareous cement in part, friable in part, moderately unconsolidated, trace dark brown oil stain, some dull gold fluorescence with weak dull yellow streaming-milky cut.

2920-2950	Shale and Siltstone, as above. Sandstone, clear-white, very fine-fine grained, moderately firm-occasionally friable, fair-poor intergranular porosity, sub-angular to sub-rounded, moderately well sorted. <u>Frequent dark brown oil stain-droplets, dull gold fluorescence, weak-fair bright yellow streaming cut.</u>
2950-2980	Shale, medium gray-brownish gray, moderately firm, calcareous, sub-blocky, highly pyritic. Siltstone, medium gray-brownish gray, frequently argillaceous, calcareous, moderately firm, highly pyritic.
2980-3010	Dolomite-argillaceous Dolomite, tan-grayish tan, occasionally white, firm-moderately hard, crypto-crystalline-microcrystalline, dense. Limestone-argillaceous Limestone, white-cream, occasionally buff, microcrystalline-cryptocrystalline, moderately firm-moderately soft, dense.
3010-3040	Shale, tan, medium-dark brown-occasionally black, moderately calcareous-non-calcareous, moderately firm-moderately soft, platy to sub-fissile, some algal laminae, highly carbonaceous-petroliferous, some Bitumen, dull gold-dull yellow mineral fluorescence, <u>trace very weak dull yellow streaming cut.</u>
3040-3070	Argillaceous Limestone, light gray-cream, frequently streaked and mottled with carbonaceous and microcrystalline disseminated pyrite, soft, generally marly. Limy Dolomite, buff-tan-grayish tan, microcrystalline-cryptocrystalline, moderately firm-moderately soft, much microcrystalline pyrite, argillaceous in part.
3070-3100	Limy Dolomite-Dolomite, cream-white-buff, very fine crystalline-microcrystalline, generally moderately firm, dense, argillaceous in part.
3100-3130	Argillaceous Limestone, white-cream-occasionally light gray, cryptocrystalline, frequently streaked with light-medium gray carbonaceous material, frequent microcrystalline disseminated pyrite, soft-moderately soft. Siltstone, clear-white, moderately firm, well consolidated, frequently speckled with glauconite and/or argillaceous material, calcareous cement.
3130-3160	Siltstone, as above grading to very fine grained Sandstone, clear-white, moderately firm, no apparent porosity, generally well consolidated,

sub-angular to sub-rounded, moderately well sorted, trace dark brown oil stain with slight dull gold fluorescence, very weak dull yellow milky-halo cut.

- 3160-3190 Shale, light-medium gray, moderately soft, frequently streaked with carbonaceous material, some pyrite. Argillaceous Limestone, white-cream-occasionally buff, cryptocrystalline, generally moderately soft-soft, marly in part, carbonaceous in part, some microcrystalline pyrite, dense.
- 3190-3220 Dolomite-argillaceous Dolomite, medium tan-medium brown, cryptocrystalline, moderately firm-firm, sub-platy, dense. Dolomitic Limestone-argillaceous Limestone, cream-buff-occasionally light tan, generally soft, frequently earthy, cryptocrystalline, dense, frequent microcrystalline pyrite.
- 3220-3260 Dolomite-argillaceous Dolomite, as above. Dolomitic Limestone-argillaceous Limestone, increase of cream-white argillaceous Limestone, as above, marly in part.
- 3260-3290 Dolomite-argillaceous Dolomite, light-medium gray-tan, cryptocrystalline, moderately firm, occasionally mottled, dense, trace pyrite. Some argillaceous Limestone-dolomitic Limestone, white-cream-occasionally buff, generally soft, marly in part, cryptocrystalline, dense, some carbonaceous material and pyrite.
- 3290-3320 Argillaceous Limestone, generally white-cream, occasionally buff, frequently streaked or speckled with light gray carbonaceous material, cryptocrystalline, soft, marly in part, dense.
- 3320-3410 Argillaceous Limestone-dolomitic Limestone, white-cream-buff-tan, cryptocrystalline, some carbonaceous material, moderately soft-soft, earthy-marly in part, dense. Dolomite-argillaceous Dolomite, light-medium gray-tan, light brown, cryptocrystalline, firm-moderately firm, dense.
- 3410-3440 Dolomitic Limestone, tan-light brown, cryptocrystalline, moderately firm, dense, argillaceous in part, occasionally earthy. Dolomite-argillaceous Dolomite, generally light-medium gray, occasionally grayish brown, cryptocrystalline, moderately firm, dense.

- 3440-3470 Dolomitic Limestone, generally as above but buff-light tan, frequently earthy. Dolomite-argillaceous Dolomite, generally as above, but generally light gray, occasionally white-clear.
- 3470-3530 Shale, light-medium gray, calcareous, moderately firm-moderately soft, sub-platy to sub-splintery. Some Siltstone, clear-white, moderately firm and moderately well consolidated, some calcareous cement, no show, fluorescence or cut, argillaceous in part.
- 3530-3560 Shale, light-medium gray-greenish gray, moderately firm, calcareous, sub-platy to sub-splintery. Limestone-argillaceous Limestone, tan-buff, moderately soft, cryptocrystalline, dense.
- 3560-3590 Dolomite-argillaceous Dolomite, medium brown-dark grayish brown, moderately firm-firm, cryptocrystalline, dense. Limestone-argillaceous Limestone, light-medium brown, occasionally tan, occasionally gray, streaks and specks of dark gray carbonaceous material, slightly mottled in part, cryptocrystalline, moderately firm-moderately soft, dense.
- 3590-3620 Sandstone, very fine grained grading to Siltstone, clear-white, some calcareous cement, some loose grains, moderately unconsolidated, frequently friable, probably fair intergranular porosity, sub-angular to sub-rounded, moderately well sorted, trace dark brown oil stain with some dull gold-dull yellow fluorescence and very weak dull yellow streaming cut.
- 3620-3650 Siltstone, grading to very fine grained Sandstone, as above, not as good a show.
- 3650-3680 Limestone-argillaceous Limestone, medium-dark brown, frequently tan-grayish brown, cryptocrystalline, moderately firm and moderately soft, trace carbonaceous material, dull yellow mineral fluorescence, trace very weak dull yellow cut.
- 3680-3710 Limestone-argillaceous Limestone, generally as above but more tan color, some light-medium gray, no show.
- 3710-3740 Limestone-argillaceous Limestone, tan, occasionally buff, cryptocrystalline, moderately soft, dense. Dolomite-argillaceous Dolomite, dark tan-medium-dark brown, cryptocrystalline, moderately hard-firm, dense. Some dark brown-dark grayish

brown, slightly black in part, hard, brittle, carbonaceous in part, siliceous in part.

- 3740-3770 Shale, medium-dark gray, calcareous-slightly calcareous, moderately firm-moderately soft, sub-platy in part. Some Limestone-argillaceous Limestone, as above.
- 3770-3800 As 3710-3740 above.
- 3800-3830 Shale, as 3740-3770 above. Siltstone, clear-white, calcareous cement, moderately firm, well consolidated, no show, fluorescence or cut, some specks of glauconite and argillaceous material.
- 3830-3860 Limestone-argillaceous Limestone, generally cream, frequently buff, cryptocrystalline, moderately soft, some carbonaceous material, dense. Some Sandstone, very fine grained, clear, occasionally white, some calcareous cement, moderately firm-frequently friable, some fair intergranular porosity, sub-angular to sub-rounded, moderately well sorted, trace dark brown oil stain, dull yellow to gold fluorescence, very weak dull yellow streaming cut.
- 3860-3890 Shale, light-medium gray, frequently greenish gray, moderately firm, sub-blocky, slightly-moderately calcareous, trace pyrite. Some Limestone-argillaceous Limestone, as above. Trace Siltstone, clear, some calcareous cement, moderately firm, moderately well consolidated, dense, no show, fluorescence or cut.
- 3890-3920 As above. Some Siltstone, clear-white, calcareous cement, moderately firm, consolidated, no show, fluorescence or cut.
- 3920-3950 Siltstone, clear-white, calcareous cement, moderately firm-slightly friable in part, specks carbonaceous material, possible trace dead oil, trace dull yellow fluorescence, trace very weak dull yellow cut. Some Limestone, white-cream, moderately soft, cryptocrystalline, argillaceous in part, dense.
- 3950-3980 Shale-dolomitic Shale, emerald green, moderately soft-moderately firm, sub-blocky in part. Limestone-dolomitic Limestone, tan-buff, occasionally cream, cryptocrystalline, moderately firm-moderately soft, earthy in part, trace argillaceous material, dense.

- 3890-4010 Shale-calcareous Shale, light-medium gray, frequently cream, very fine specks and streaks argillaceous and/or carbonaceous material, moderately firm-moderately soft, sub-platy. Limestone-dolomitic Limestone, as above.
- 4010-4040 Shale, light gray-medium gray, occasionally cream, slightly-moderately calcareous, moderately firm, sub-platy to sub-splintery in part.
- 4040-4070 Shale, as above. Limestone-argillaceous Limestone, white-cream, occasionally light gray, moderately soft-soft, marly in part, crypto-crystalline, dense. Dolomite-argillaceous Dolomite, dark tan-dark brown, cryptocrystalline, moderately hard-moderately firm, dense. Trace Siltstone, clear-white, some calcareous cement, moderately firm, well consolidated, no show, fluorescence or cut.
- 4070-4120 Shale, as 4010-4040 above.
- 4120-4140 Mostly Shale, as above. Some Dolomite-argillaceous Dolomite, dark tan-dark brown, crypto-crystalline, moderately firm, dense. Some Siltstone, clear-light gray, firm-moderately firm, calcareous cement, frequently argillaceous, trace dark brown oil stain, faint dull gold fluorescence, trace very weak milky-very slow dull yellow cut.
- 4140-4160 Shale, as above. Some pyrite. Some Siltstone, as above. Some Limestone-argillaceous Limestone, white-clear, occasionally buff, crypto-crystalline, moderately soft, some dark gray-black carbonaceous material, dense.
- 4160-4190 Sandstone, grading to Siltstone, very fine grained, clear-light brown, moderately firm, generally friable, moderately unconsolidated, sub-rounded, moderately well sorted-poorly sorted, fair-good intergranular porosity, generally good even light-medium brown oil stain with good even dull yellow fluorescence and weak dull yellow milky-slow streaming cut, possibly some glauconite and argillaceous material.
- 4190-4200 Shale, light-medium gray, calcareous, moderately firm-moderately soft, sub-platy in part, frequently mottled or streaked with carbonaceous material, some pyrite. Limestone, in part, white-light gray, carbonaceous in part, some pyrite, cryptocrystalline, moderately soft.

- 4200-4210 Shale, as above. Siltstone grading to very fine grained Sandstone, clear-light brown, occasionally light gray, argillaceous in part, calcareous cement in part, firm-moderately firm, occasionally friable, generally well consolidated. Sandstone is sub-angular to sub-rounded, moderately-well sorted to poorly sorted, some fair-good intergranular porosity, some light brown oil stain with dull yellow fluorescence and very weak dull yellow steaming cut in part.
- 4210-4230 Sandstone, very fine-fine grained grading to some Siltstone, clear-medium brown, some calcareous cement in part, generally moderately firm-friable, moderately unconsolidated, argillaceous in part, sub-angular to sub-rounded, moderately well sorted-poorly sorted, generally fair-medium dark brown oil stain with dull yellow and fair-weak immediate dull yellow steaming cut.
- 4230-4240 Limestone-argillaceous Limestone, generally medium-dark brown-occasionally light-medium gray-tan, moderately firm-occasionally soft, cryptocrystalline, dense. Some limy Dolomite-argillaceous Dolomite, medium-dark brown, cryptocrystalline, moderately hard, dense. Trace Sandstone and Siltstone, as above.
- 4240-4260 Limestone-argillaceous Limestone, as above. Limy Dolomite-argillaceous Dolomite, as above.
- 4260-4280 Shale-calcareous Shale, cream-light-medium gray, soft-moderately soft, marly, frequently mottled with carbonaceous material.
- 4280-4300 Shale, as above. Dolomite-argillaceous Dolomite, medium-dark brown-grayish brown, cryptocrystalline, moderately hard-firm, dense. Limestone-argillaceous Limestone, buff-light tan, cryptocrystalline, moderately firm-soft, marly in part, dense, trace dull yellow fluorescence with very weak dull yellow slow streaming cut.
- 4300-4320 Dolomite-argillaceous Dolomite, generally as above, but tends to be darker. Some Limestone-argillaceous Limestone, as above.
- 4320-4340 As 4300-4320 above. Shale, dark brown-frequently grayish black, firm-moderately firm, slightly calcareous-moderately calcareous, platy to sub-fissile, highly carbonaceous-petroliferous in part, no show, fluorescence or cut.

- 4340-4380 Shale, light-medium gray-greenish gray, moderately firm, calcareous. Limy Dolomite, clear-white, cryptocrystalline, firm-moderately firm, frequently argillaceous, dense. Some Siltstone, clear-white, firm, well consolidated, calcareous cement, argillaceous in part.
- 4380-4420 Siltstone, clear, occasionally white, calcareous cement in part, trace glauconite, trace dark gray argillaceous material, firm-moderately firm, well consolidated, no show, fluorescence or cut. Trace Limestone, white, cryptocrystalline, moderately soft, dense, trace argillaceous material.
- 4420-4460 Shale, light-medium gray, occasionally cream, frequently speckled with carbonaceous material, moderately-highly calcareous, moderately firm-moderately soft, trace pyrite. Trace Limestone, cream-light gray, cryptocrystalline, moderately soft-soft and marly, dense, argillaceous in part.
- 4460-4480 Siltstone ranging to very fine grained Sandstone, moderately firm, moderately well consolidated, clear-occasionally white, moderate calcareous cement, sub-angular to sub-rounded, moderately well sorted, no apparent porosity, some glauconite and carbonaceous material, no show, fluorescence or cut. Limestone-argillaceous Limestone, tan-buff, cryptocrystalline, moderately firm-soft, earthy in part, dense. Trace Dolomite-argillaceous Dolomite, medium-dark brown-dark tan, cryptocrystalline, moderately hard-firm, dense, siliceous in part.
- 4480-4500 Shale, light-medium gray, slightly-moderately calcareous, moderately firm-moderately soft, sub-splintery. Some Limestone-argillaceous Limestone, cream-white, speckled with carbonaceous material, cryptocrystalline-moderately firm-soft. Trace Siltstone, as above.
- 4500-4520 As above with increase in Limestone-argillaceous Limestone which is carbonaceous and mottled in part.
- 4520-4540 Shale and some Limestone-argillaceous Limestone as 4480-4500.
- 4540-4560 As 4480-4500. Some Siltstone as 4460-4480 above.
- 4560-4580 Siltstone grading to very fine grained Sandstone, clear-occasionally white, some calcareous cement,

moderately firm, moderately well consolidated. Sandstone is sub-angular to sub-rounded, moderately well sorted, no show, fluorescence or cut, some specks of carbonaceous material. Some Shale as 4480-4500 above.

- 4580-4620 Shale, light-medium gray, slightly-moderately calcareous, moderately firm-soft, earthy in part. Some Limestone, white-cream, occasionally speckled with carbonaceous material, crypto-crystalline, moderately soft, marly in part, argillaceous in part. Trace Siltstone, as above.
- 4620-4630 Shale, medium gray-grayish brown, slightly-moderately calcareous, firm-moderately firm, trace pyrite. Limestone-argillaceous Limestone, white-cream, cryptocrystalline, soft-generally marly.
- 4630-4640 Shale, dark brown-occasionally black, bronze cast in part, highly carbonaceous-slightly petro-liferous, moderately firm-moderately soft, sub-platy in part, earthy in part, dull yellow fluorescence, very weak dull yellow streaming cut.
- 4640-4650 Shale, light gray-greenish gray, cream in part, moderately firm-soft, frequently pyritic, sub-blocky to sub-platy in part.
- 4650-4655 Siltstone, clear-white-light gray, moderately firm, moderately well consolidated, some argillaceous material, no show, fluorescence or cut. Shale, as above.
- 4655-4660 Siltstone, light gray-buff, frequently clear-white, moderately firm, moderately well consolidated, some argillaceous material, no show, fluorescence or cut, possibly some very fine grained Sandstone. Trace Limestone, white-cream, streaks-specks carbonaceous material, crypto-crystalline, moderately firm, dense.
- 4660-4666 Sandstone, very fine grained grading to Siltstone, light tan-clear, moderately firm, slightly friable in part, some fair inter-granular porosity, sub-angular to sub-rounded, moderately well sorted, generally even light brown oil stain, bright yellow fluorescence, weak dull yellow slow streaming-milky cut. Some Limestone-argillaceous Limestone, cream-light gray, argillaceous in part, cryptocrystalline, moderately firm-moderately soft.

Trip out of hole to take core.

WHOLE CORE DESCRIPTION

Core No. 1: (4666'-4696' Driller)

Cut 30', Recovered 30'

- 4666.0-4669.5' (3.5') Sandstone, very fine grained ranging to Siltstone, dark brown, hard, vertical hairline fractures with oil stain, generally moderately calcareous, very little bleeding gas or oil, but generally good even dark brown oil stain and good oil odor, probable fair intergranular porosity.
- 46669.5-4674.3' (4.8') Shale, generally dark gray, hard, dense, moderately calcareous, very thin uneven-wavy dark gray-black carbonaceous laminae.
- 4674.3-4678.3' (4.0') Siltstone-very fine grained Sandstone, grades to slightly coarser sand at base where there is heavy concentration of mica, black thin carbonaceous laminae-very thin beds which are sloping approximately 10° between thin bedded sloping Sandstone. At base sharp contact, flat and smooth to Shale. No identifiable cross-bedding. Moderate gas and oil bleeding from some bedding planes and hairline fractures, both oblique and vertical hairline fractures with oil stain. General tan-dark brown to dark brown oil stain is generally not even, moderately calcareous, some uneven fair intergranular porosity, but permeability may be marginal without fracturing.
- 4678.3-4693.4 (15.1') Shale, dark gray, moderately calcareous, hard, dense, much uneven-wavy very thin black carbonaceous laminae.
- 4693.4-4696.0 (2.6') Shale-dolomitic Shale, dark brown, very hard, brittle, dense, zone highly mechanically shattered and broken, frequent conchoidal breaks, some very thin carbonaceous laminae.

MICROSCOPIC CORE CHIP DESCRIPTION

Core No. 1: (4666'-4696' Driller)

Cut 30', Recovered 30'

- 4666.0-4669.5' (3.5') Sandstone, very fine grained-ranging to Siltstone in part, generally medium-dark brown, firm-moderately firm in part, sub-rounded to sub-angular, moderately well sorted, well consolidated, slight-moderate calcareous cement,

generally even dark brown oil stain, bright yellow fluorescence with weak immediate dull yellow oozing cut. Fair-poor intergranular porosity in part.

- 4669.5-4674.3' (4.8') Shale, dark gray, hard-moderately hard, very slightly calcareous, some very fine carbonaceous laminae in part, generally massive homogeneous and dense.
- 4674.3-4678.3' (4.0') Siltstone-grading to very fine grained Sandstone, clear-generally uneven medium brown, hard-moderately hard, sub-rounded to sub-angular, moderately well sorted, generally moderate calcareous cement, well consolidated-well lithified, subtle gradation to larger size fraction near base with approximately 10° sloping bedding planes, generally bedding planes are parallel with some dark gray-black carbonaceous beds, uneven dark brown oil stain, bright yellow fluorescence and fair-weak dull yellow-bluish yellow streaming cut. Generally poor intergranular porosity.
- 4678.3-4693.4' (15.1') Generally Shale, dark gray-brownish gray, hard, dense, very slightly calcareous-highly calcareous, generally gradational with much Siltstone in top of interval interspersed in very calcareous Shale, much very fine mica in upper interval, grades to generally homogeneous Shale very low in carbonate at base, some very fine carbonaceous laminae.
- 4693.4-4696.0' (2.6') Shale, dark gray, moderate-high calcareous, much loose silt fraction, some loose very fine quartz grains in part, appears well rounded. Upper interval poorly sorted, very hard and brittle, breaks with conchoidal fracture in part, some wavy-very wispy black-dark gray carbonaceous laminae.
- 4696-4720 Shale, light gray-light brownish gray, moderately calcareous, moderately firm-moderately soft, some streaks carbonaceous material. Some Siltstone, clear-white, moderately firm, moderately well consolidated, slightly calcareous, no show, fluorescence or cut.
- 4720-4740 Shale, as above. Siltstone, as above, but more present.
- 4740-4780 Shale, light-medium gray, firm-moderately firm,

slightly calcareous, sub-blocky to sub-platy in part. Some Siltstone, as above.

Trip out of hole for core @ 4800', didn't circulate samples.

WHOLE CORE DESCRIPTION

Core No. 2: (4800'-4842' Driller)

Cut 42', Recovered 42'

- 4800.0-4802.2' (2.2') Shale, medium-dark gray, moderately calcareous, hard, possibly some Siltstone, some very thin even-wispy laminae.
- 4802.2-4806.0' (3.8') Shale, dark gray, very hard and brittle, section highly broken, moderately-highly calcareous, some very thin wispy carbonaceous-argillaceous laminae.
- 4806.0-4818.5' (12.5') Shale, light-medium gray, hard, probably silty in part, moderately calcareous, no show, fluorescence or cut, very high concentration of uneven-wispy very thin laminae of argillaceous and or carbonaceous material.
- 4818.5-4828.7' (10.2') Sandstone, very fine grained ranging to Siltstone, slightly calcareous, hard, well consolidated, generally even dark brown-amber oil stain, but some sections have little to no staining, suggesting vertical matrix permeability may be low. Much bleeding gas and oil from stained sections. Good open oil stained hairline vertical fractures running throughout Sandstone interval. No real obvious grading, except near the base a thin 2-3' interval may be coarsening downward where there is a heavy concentration of mica, bed dips in excess of 10° on some very thin bed sets and laminae with sharp contact to a Shale bed drapped and generally conforming to the sand beds and argillaceous laminae.
- 4828.7-4834.4' (5.7') Generally Siltstone, light-medium gray, hard, moderately calcareous, no show, fluorescence or cut, generally appears to be dirty with Shale intermixed and some thin homogeneous Shale beds, some very thin bedding and laminae.
- 4834.4-4842.0 (7.6') Shale, medium-dark gray, hard, slightly-moderately calcareous, some Siltstone interspersed, much uneven-wispy very thin bedding and laminae. At 4840.2-4840.4' Shale, brownish gray, soft, bentonitic, no reaction to Hcl.

MICROSCOPIC CORE CHIP DESCRIPTION

Core No. 2: (4800-4842' Driller)

Cut 42', Recovered 42'

- 4800.0-4802.2' (2.2') Shale ranging to poorly sorted Siltstone, medium-dark gray, hard, dense, slightly calcareous, trace microcrystalline disseminated pyrite, some very thin carbonaceous and silty laminae.
- 4802.2-4806.0' (3.8') Shale, dark gray-occasionally black, generally very hard, brittle, generally highly calcareous and may have some replacement microcrystalline calcite crystals, some wispy very thin laminae, in which there is highly carbonaceous material and possibly some is petro-
liferous, some loose quartz and silt grains in part, generally sub-angular.
- 4806.0-4818.5' (12.5') Shale, light-medium gray-bluish gray, hard, dense, mica flakes in part, platy in part, slightly-moderately calcareous, some wispy bedding planes containing darker carbonaceous material and argillaceous material.
- 4818.5-4828.7' (10.2') Sandstone, very fine grained ranging to Siltstone in part, generally tan-light brown, slightly calcareous-moderately calcareous, hard, well consolidated, fair-poor intergranular porosity, pore openings are extremely small, some glauconite and/or heavy minerals, sub-angular to sub-rounded, moderately well sorted, generally medium brown oil stain, with some bleeding oil and gas, bright yellow fluorescence with fair dull yellow milky-halo cut.
- 4828.7-4834.4' (5.7') Generally Siltstone, light gray-occasionally gray, highly calcareous, hard, dense, well consolidated, no obvious bedding or thin laminae, some specks of glauconite and/or carbonaceous material, no show, fluorescence or cut, some thin beds between depositional Siltstone sequences of medium-dark gray Shale, hard, generally homogeneous, very slightly calcareous.
- 4834.4-4842.0' (7.6') Shale, medium-dark gray, hard, moderately calcareous and Siltstone, light gray-brownish gray, moderately hard, well consolidated, moderately-highly calcareous, no show, fluorescence or cut, moderately-poorly sorted, moderate amount argillaceous and some carbonaceous material. At 4840.2-4840.4' appears to be bentonitic Shale, no

reaction to HCl medium gray, moderately firm-moderately soft when wet.

- 4842-4860 Shale, light-medium gray-brownish gray, moderately firm slightly-moderately calcareous. Some Siltstone, clear-light gray, moderately firm, well consolidated, slightly calcareous, argillaceous in part, no show, fluorescence or cut.
- 4860-4880 Shale, tan-grayish brown, moderately firm-soft, earthy in part, slightly-moderately calcareous, moderately calcareous-slightly petroliferous, trace very slight slow dull yellow milky cut, trace pyrite.
- 4880-4900 Shale, generally light gray, occasionally cream, moderately calcareous, generally moderately soft, sub-platy in part, some microcrystalline disseminated pyrite, show as above. Dolomitic Limestone-argillaceous Limestone, tan-buff, microcrystalline-cryptocrystalline, moderately firm-firm, dense.
- 4900-4920 Shale, light-medium gray, frequently cream, very slightly calcareous, moderately firm-frequently soft, marly in part. Trace Siltstone, clear-occasionally white, some calcareous cement in part, moderately firm, well consolidated, argillaceous in part, no show, fluorescence or cut.
- 4920-4940 As above. Some dolomitic Limestone, tan-buff, medium brown, firm-moderately soft, cryptocrystalline, slightly argillaceous in part.
- 4940-4960 Shale and Siltstone as 4900-4920 with increase in cream colored Shale which is generally soft and marly. Dolomitic Limestone, as above.
- 4960-4980 As above with increase in dolomitic Limestone.
- 4980-5000 Shale, generally medium gray, frequently cream-light gray, generally moderately firm, occasionally soft and marly, moderately calcareous, sub-platy to sub-splintery in part, trace very weak milky cut. Dolomitic Limestone, as above.
- 5000-5020 Shale, dark tan-dark brown, frequent bronze cast, occasionally black, firm-moderately firm, moderately-highly calcareous, sub-platy, highly carbonaceous-petroliferous in part, weak dull yellow streaming-milky cut.

5020-5040 Shale, as above, with some medium tan-medium brown, soft-earthly, moderately calcareous, trace very weak slow dull yellow streaming-milky cut.

5040-5060 Shale, as above, with show and cream-light gray frequently medium gray-brownish gray, moderately firm-moderately soft, sub-platy in part, trace pyrite. Some Siltstone, clear-white, very hard-firm, siliceous in part, well consolidated, no show, fluorescence or cut. Some argillaceous Limestone, cream-light gray, soft-marly in part, cryptocrystalline.

5060-5080 Shale, tan-medium brown-grayish brown in part, moderately firm, moderately calcareous, sub-blocky, Siltstone, tan-medium brown, occasionally clear-white, moderately firm, moderately calcareous, well consolidated, trace dead oil no fluorescence, very weak slow streaming-milky dull yellow cut.

Trip out of hole for core @ 5104', did no circulate out samples.

WHOLE CORE DESCRIPTION

Core No. 3: (5104-5164' Driller)
Cut 60', Recovered 58.5'

5104.0-5109.9' (5.9') Shale, medium-dark gray, moderately calcareous, hard, Siltstone in part, some very thin laminae, some apparent burrows.

5109.9-5119.9' (10.0') Shale and Siltstone, light-medium gray, hard, dense, heavy concentration of very thin beds, laminae, and burrows. Some relatively homogeneous Shale zones, light gray, moderately-slightly calcareous, dense, no apparent show in interval.

5119.9-5122.0' (2.1') Shale, mostly dark gray, hard, slightly calcareous, some Siltstone laminae at base.

5122.0-5126.1' (4.1') Siltstone and Shale, grayish tan-tan, slightly-moderately calcareous, hard, bottom 6" is homogeneous Shale with very thin carbonaceous laminae. Entire interval highly concentrated with very thin beds and laminae.

5126.1-5129.6' (3.5') Sandstone, very fine grained, tan-grayish tan, hard-moderately hard, moderately calcareous, some tight zones and some fair-good intergranular porosity. Spotty-uneven dark brown oil stain and bleeding oil and gas mostly along bedding planes.

High density of very thin beds and laminae. No fracturing.

5129.6-5137.3' (7.7') Siltstone ranging to very fine grained Sandstone, grayish brown-light tan, looks tight and generally unstained, moderately calcareous, trace spotty dark brown oil stain. Much very thin bedding near base, some slight cross-bedding, beds somewhat contorted from soft sediment deformation.

5137.3-5139.1' (1.8') Shale and some Siltstone, light-medium gray, very hard and dense, moderately calcareous, no show, fluorescence or cut.

5139.1-5151.0' (11.9') Siltstone ranging to very fine grained Sandstone, medium brown-grayish brown, slightly-moderately calcareous, looks tight, much very thin bedding and laminae, very slight dark brown spotty oil stain with trace bleeding oil.

5151.0-5158.9' (7.9') Shale and some Siltstone, light-medium gray to dark brown, slightly-moderately calcareous, hard, much very thin bedding and laminae. At base appears to be ripup clasts and some soft sediment deformation.

5158.9-5162.5' (3.6') Shale with possibly some Siltstone, dark gray, moderately calcareous, hard, frequent very thin laminae.

MICROSCOPIC CORE CHIP DESCRIPTION

Core No. 3: (5104-5164' Driller)

Cut 60', Recovered 58.5'

5104.0-5109.9' (5.9') Shale, medium brown-grayish brown, moderately hard, dense, some lenses and laminae of Siltstone interspersed with laminae of Shale and carbonaceous material, very slightly-moderately calcareous, frequent burrows and some bioturbations, trace dark brown oil stain, dull yellow fluorescence and very weak dull yellow streaming cut.

5109.9-5119.9' (10.0') Shale and Siltstone, grayish brown, Shale, generally dense, hard, very slightly calcareous, frequently burrowed, with trace dark brown oil stain, no fluorescence, very weak dull yellow milky cut. Siltstone, generally hard, no apparent porosity, frequently burrowed, some dark brown-black dead oil stain, no fluorescence, very weak dull milky cut.

- 5119.9-5122.0' (2.1') Shale, medium gray, slightly calcareous, moderately hard, some very fine carbonaceous and argillaceous laminae.
- 5122.0-5126.1' (4.1') Siltstone and Shale, medium gray-brownish gray, hard, dense, very slightly calcareous, burrowed with some dark brown-black dead oil stain in part, no fluorescence, trace very weak dull yellow milky cut.
- 5126.1-5129.6' (3.5') Sandstone, very fine grained, moderately firm, sub-angular to sub-rounded, moderately well sorted, some burrows, even-uneven dark brown-black oil stain, frequent bleeding black oil, dull yellow fluorescence in part, very good immediate bright yellow flash cut, good-fair intergranular porosity.
- 5129.6-5137.3' (7.7') Siltstone ranging to very fine grained Sandstone, grayish tan, moderately firm, moderately calcareous, generally argillaceous, light tan oil stain in part, dull yellow fluorescence, with fair-weak dull yellow streaming cut, some mica. Some evidence of very fine bedding and laminae.
- 5137.3-5139.1' (1.8') Shale, medium gray-brownish gray, very hard, dense, frequent mica, some Siltstone, very slightly calcareous.
- 5139.1-5151.0' (11.9') Siltstone ranging to very fine grained Sandstone, grayish brown-medium tan, firm, frequent mica, very slightly calcareous, very poor-fair intergranular porosity, sub-angular to sub-rounded, moderately well-poorly sorted, burrowed in part, very slight tan oil stain - dark brown oil stain, spotty-patchy stain in part, dull yellow fluorescence, very weak-good dull bright yellow streaming-flash cut.
- 5151.0-5158.9' (7.9') Shale, medium gray, moderately firm, some very fine laminae, Siltstone in part, moderately calcareous.
- 5158.9-5162.5' (3.6') Shale, medium gray-brownish gray in part, very slightly calcareous, moderately firm-moderately soft, some very fine carbonaceous-argillaceous laminae.
- 5163-5180 Sandstone, very fine grained ranging to Siltstone, tan-medium brown, grayish brown in part, moderately firm-slightly friable in part, sub-

angular to sub-rounded, moderately-poorly sorted, fair-poor intergranular porosity, slightly-moderately calcareous, generally argillaceous, looks clay filled, light brown-medium brown oil stain, trace dull yellow fluorescence, weak dull yellow streaming cut.

- 5180-5220 Shale, medium-light gray, moderately firm-moderately soft, slightly calcareous, sub-blocky to sub-platy in part. Some argillaceous Limestone, cream-white, cryptocrystalline, soft, marly in part.
- 5220-5240 Shale, dark tan-dark brown, generally soft-earthly, moderately-highly calcareous. Shale, grayish black-very dark brown, hard, sub-platy, slightly calcareous, highly carbonaceous-slightly petroliferous, no show, fluorescence or cut.
- 5240-5260 Shale, light-medium gray, moderately firm-moderately soft, generally slightly calcareous, Limestone in part, some argillaceous Limestone, white-cream-light gray in part, mottled in part, cryptocrystalline, generally moderately firm-soft.
- 5260-5280 Shale, dark gray-dark brown-occasionally brownish black, firm-moderately soft, non-calcareous-slightly calcareous, sub-platy in part, highly carbonaceous.
- 5280-5320 Shale, black-bronze cast in part, moderately firm-moderately soft, non-calcareous, frequent microcrystalline disseminated pyrite, sub-platy to sub fissile in part, some argillaceous-carbonaceous laminae, highly carbonaceous-petroliferous, no fluorescence, very weak slow dull yellow streaming cut.
- 5320-5360 Shale, as above and Shale, dark brown-grayish brown, moderately soft, very slightly calcareous, some pyrite.
- 5360-5380 Shale, grayish black-dark brown-black, sub-platy to sub-fissile in part, slightly calcareous, hard-brittle-moderately soft, highly carbonaceous-petroliferous, no fluorescence, very weak dull yellow streaming cut.
- 5380-5420 Shale, as above, also Shale, light-medium gray, moderately firm, moderately calcareous, some

- pyrite, 5400-5420' some argillaceous Limestone, tan, cryptocrystalline, moderately firm-moderately soft, dense.
- 5420-5480 Shale, black-grayish black, bronze cast in part, firm-moderately firm, very slightly calcareous, highly carbonaceous-petroliferous, pyritic in part, sub-platy to sub-fissile in part, no fluorescence, very weak slow dull yellow streaming cut, pyritic.
- 5480-5500 Shale, as above. Limy Dolomite, dark tan-dark brown, cryptocrystalline, moderately firm-firm, dense, argillaceous in part.
- 5500-5520 Shale, light gray, moderately-highly calcareous, moderately soft, Limestone in part, mottled-streaked in part, trace Siltstone. Limestone-argillaceous Limestone, white-cream-light gray, cryptocrystalline, moderately firm-moderately soft, dense.
- 5520-5560 Shale, light gray-cream, moderately soft-soft, moderately calcareous, trace carbonaceous laminae, trace Siltstone, clear-white, moderately firm-friable in part, slightly calcareous, no show, fluorescence or cut. Some argillaceous Limestone, cream, cryptocrystalline, soft, marly.
- 5560-5580 Shale, light-medium gray, moderately firm-moderately soft, slightly-moderately calcareous, sub-blocky in part. Some Siltstone, clear-white, light gray in part, slightly calcareous, argillaceous in part, no show, fluorescence or cut.
- 5580-5600 Sandstone, very fine grained ranging to Siltstone, clear-white in part, slightly-moderately calcareous, slightly-moderately argillaceous, speckled with carbonaceous and/or argillaceous material in part, generally poor intergranular porosity, sub-angular, moderately-poorly sorted, some specks dark brown-black dead oil, no fluorescence, very weak slow dull yellow streaming cut. Some Limestone, cream-white, cryptocrystalline, moderately firm-moderately soft, frequent argillaceous material, streaked-mottled in part.
- 5600-5620 Shale, dark brown, grayish black-black, bronze cast in part, moderately firm-moderately soft, moderately-highly calcareous, some microcrystalline disseminated pyrite, highly carbonaceous-

petroliferous, no show, fluorescence or cut. Limestone, cream-buff-light tan, cryptocrystalline, moderately firm-moderately soft, argillaceous in part.

5620-5640

Sandstone, very fine-fine grained, clear, sub-angular to sub-rounded, moderately well-sorted, moderately firm-friable, slightly calcareous, trace very light tan oil stain, some globules of black oil, bright yellow fluorescence, very weak dull yellow-bluish yellow milky cut. Some Limestone, white-cream, occasionally light gray, cryptocrystalline, moderately firm-moderately soft, argillaceous in part, good-fair intergranular porosity.

5640-5660

Sandstone, very fine grained ranging to Siltstone, generally as above, but more calcareous, tighter, Shale, light-medium gray, moderately calcareous, moderately firm-moderately soft. Some Limestone, as above. Limy Dolomite, buff-light tan, cryptocrystalline, moderately firm-moderately soft, dense, argillaceous in part.

5660-5680

Sandstone, very fine-fine grained, slight calcareous cement, clear, sub-rounded to sub-angular, moderately-well sorted, moderately firm-friable, good-fair intergranular porosity, trace very slight light tan oil stain, bright yellow fluorescence, very weak dull yellow-bluish yellow milky cut. Some Limestone, white-cream, cryptocrystalline, moderately firm-moderately soft, slightly argillaceous in part.

5680-5700

Sandstone, very fine-fine grained, clear, slightly calcareous, moderately firm-friable, sub-rounded to sub-angular, moderately well-sorted, trace argillaceous-glaucinitic fragments, no stain, bright yellow fluorescence, minor trace dull yellow streaming-milky cut. Possibly some black dead oil. Generally poor intergranular porosity. Some Limestone, as above.

5700-5720

Shale, dark brown-grayish black-black, moderately firm-moderately soft, highly calcareous, sub-platy in part, highly carbonaceous-petroliferous, no fluorescence, weak yellow streaming cut. Limestone, cream-light gray-grayish brown, moderately-highly argillaceous, cryptocrystalline, moderately firm-moderately soft, dense.

5720-5740

Shale, light-medium gray, moderately firm, moderately-highly calcareous, Siltstone, clear-white, moderate calcareous cement, moderately firm-occasionally hard, frequently argillaceous, well consolidated, no show, fluorescence or cut.

TOTAL DEPTH: 5740' (Driller)

DENNIS REHRIG & ASSOCIATES, INC.

OIL & GAS CONSULTING

4924 RIMROCK ROAD
BILLINGS, MONTANA 59106
(406) 656-4785

GEOLOGIC WELL LOG

RECEIVED

NOV 30 1992

DIVISION OF
OIL GAS & MINING

MONUMENT BUTTE FIELD
BALCRON OIL CO. 33-6 MONUMENT BUTTE-FEDERAL
1832' FSL 1829' FEL, SECTION 6, T 9 S-R 17 E
DUCHESNE COUNTY, UTAH

43-013-31261

ELEVATIONS: 5267' GL 5278' KB

SPUD: 6:00 AM (MST) 11/3/92 (ROTARY)

OUT FROM UNDER SURF. CSG: 6:00 AM (MST) 11/3/92
Surface Csg previously set)

DATE DRLG. COMP.: 10:15 PM (MST) 11/14/92

DATE WELL COMPLETED: TIME UNKNOWN 11/17/92

STATUS: CASSED FOR OIL COMPLETION ATTEMPT

SURF. CSG.: 271' OF 8 5/8"

PRODUCTION CSG: 5 1/2" TO 5714' KB

CORES: #1 4666'-4696' (DRLR) 4661'-4691' (LOGGER)
#2 4800'-4842' (DRLR) 4796'-4838' (LOGGER)
#3 5104'-5164' (DRLR) 5100'-5160' (LOGGER)

DRILL STEM TESTS: NONE

CONTRACTOR: MOLEN DRILLING CO.

RIG: I

DERRICK: IDELA, 104' MAST (DOUBLE)

DRAWWORKS: EMSCO GB-250T, POWERED BY 2-DETROIT
6-71 300 HP DIESELS

PUMPS: EMSCO D-375 14" STROKE

DRILL PIPE: 4 1/2" OD, 2 1/4" ID, XH-THREAD

COLLARS: BHA 840.00-474.29 6" DC & 360.71" HWP

MUD SYSTEM: FRESHWATER & KCL / WATER @ T.D.

TOTAL BITS: 2 ROTARY, AIR DRILLED FOR SURFACE CASING

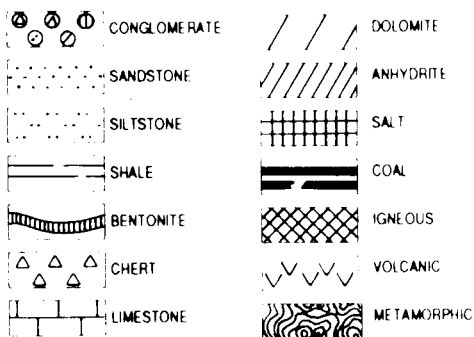
TOTAL DAYS TO LOG POINT: 12 TO COMPL: 15

T.D. DRILLER 5740' LOGGER 5743'

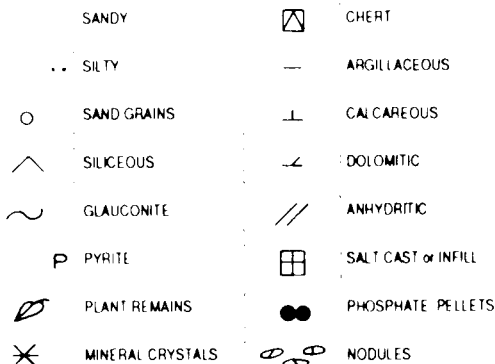
PENETRATION: 665' INTO WASATCH TONGUE

ROCK TYPE

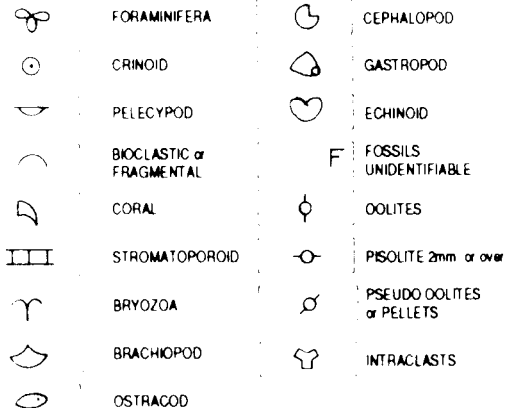
(Consistent with American Stratigraphic Company)



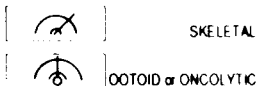
ACCESSORIES



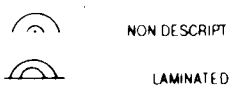
ORGANIC or NON ORGANIC ALLOCHEMS



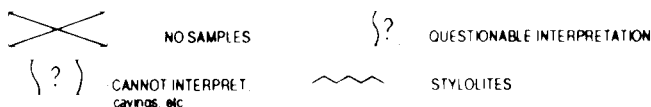
FRAMEWORK ALGAE



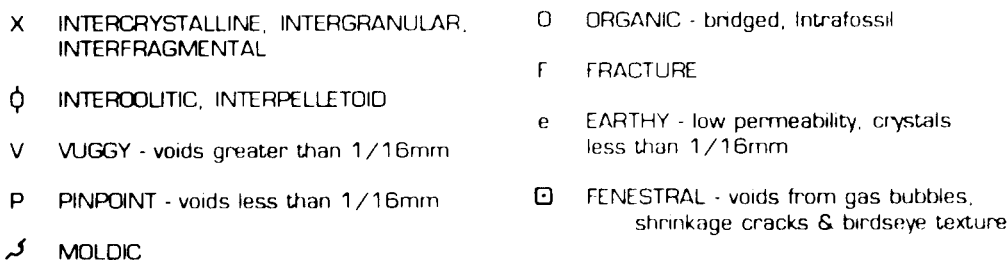
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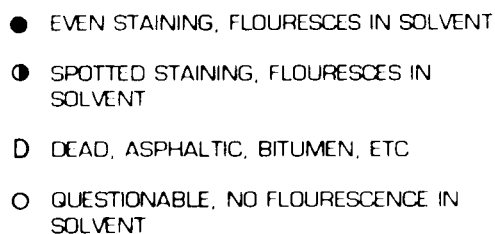
MISCELLANEOUS



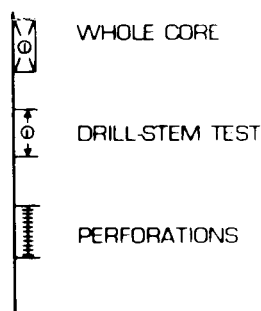
POROSITY TYPES



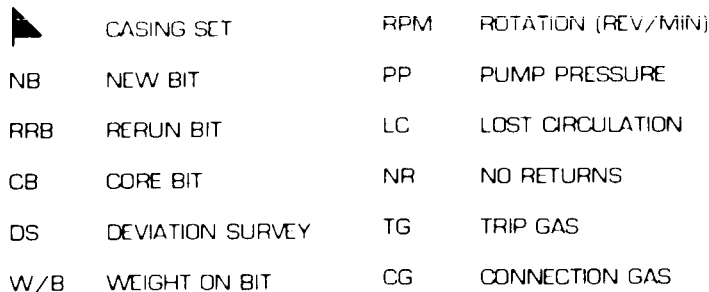
OIL STAINS - stain present



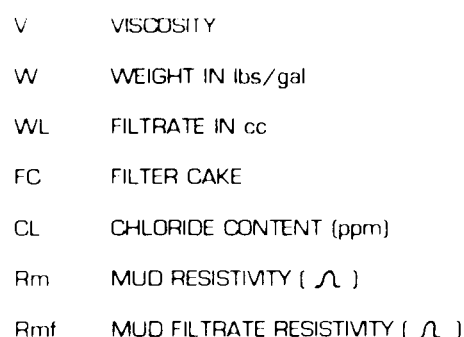
EVALUATION LEGEND



DRILLING AND PRODUCTION DATA



MUD DATA



ELECTRIC LOG GAMMA RAY / CALIPER

INTERPRETED LITHOLOGY AND DEPTH

DRILLING PENETRATION RATE (MIN / FT)

CASING & PERFORATIONS
CORE & DST
DIL. SHOWS
POROSITY (%)

SAMPLES EXAMINED FROM 1000' - TOTAL DEPTH

1200

1300

1400

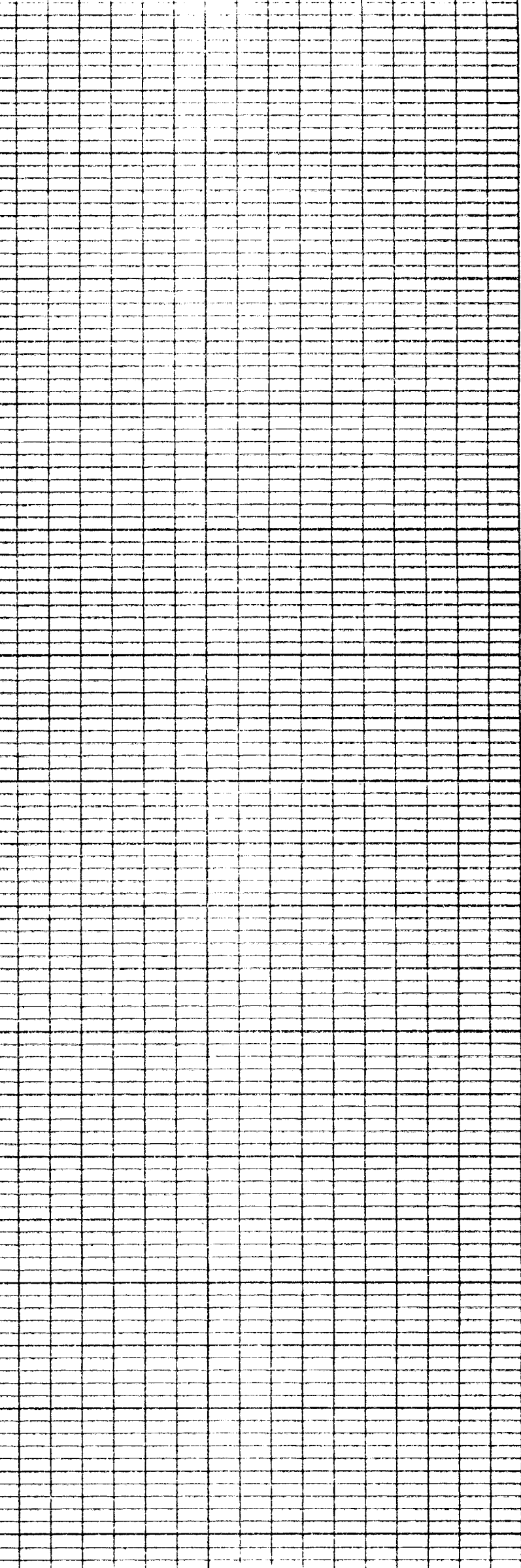
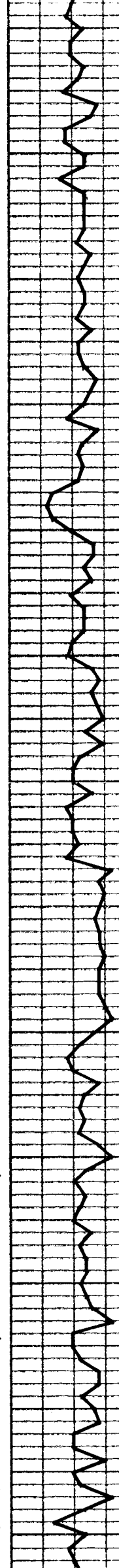
1500

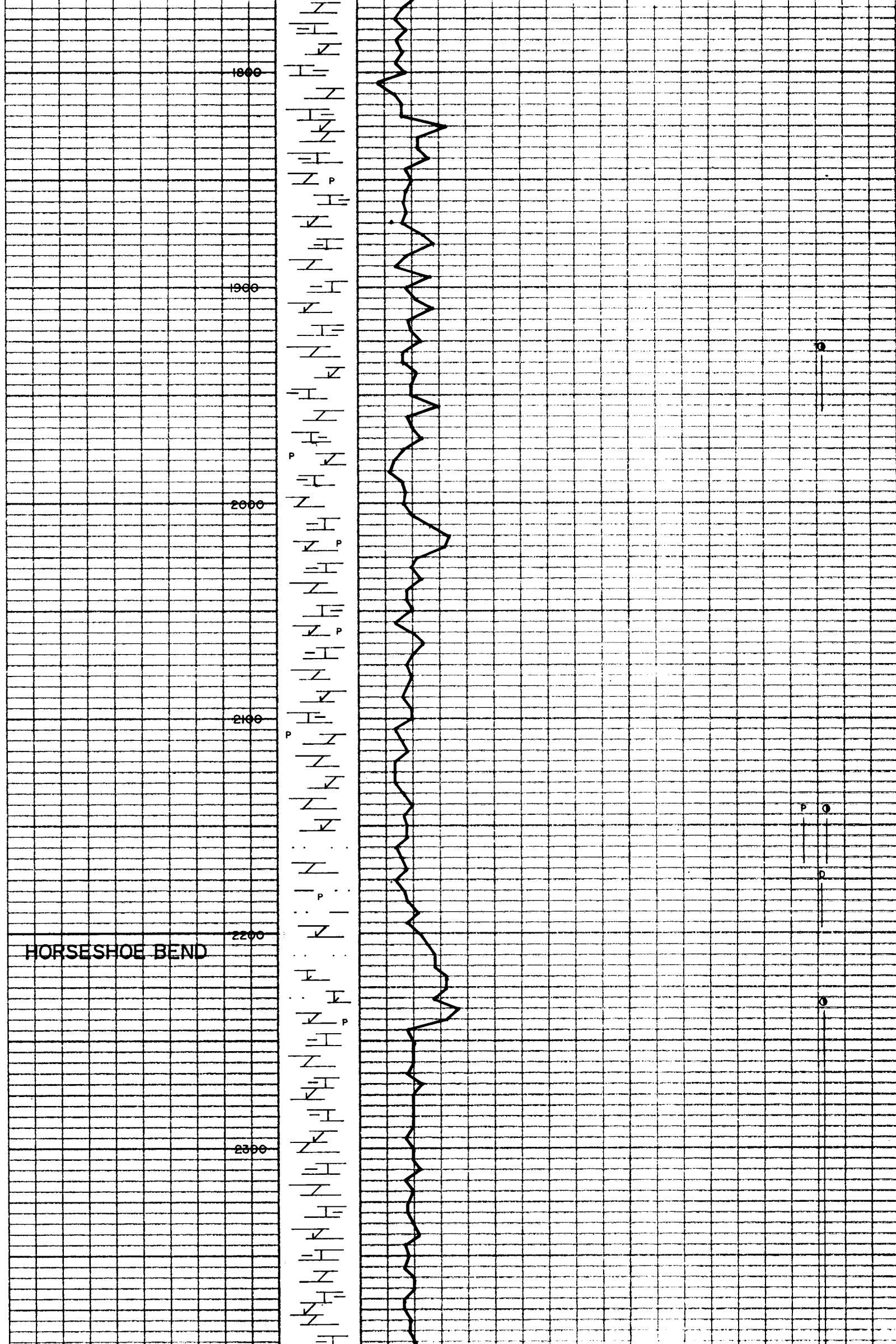
1600

1700

E-LOG TOPS.

GREEN RIVER





2400

2500

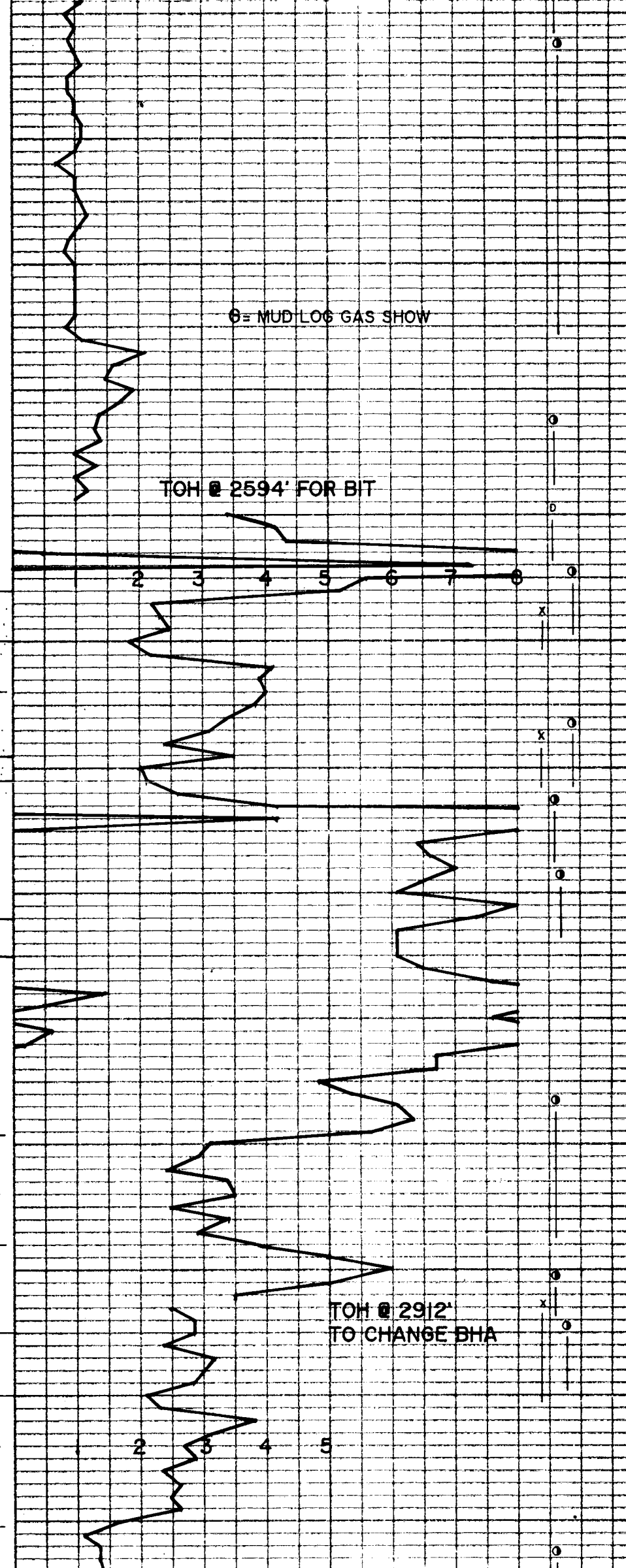
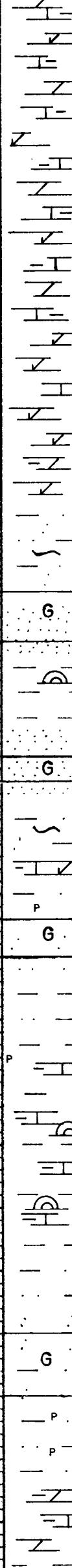
2600

2700

2800

2900

3000

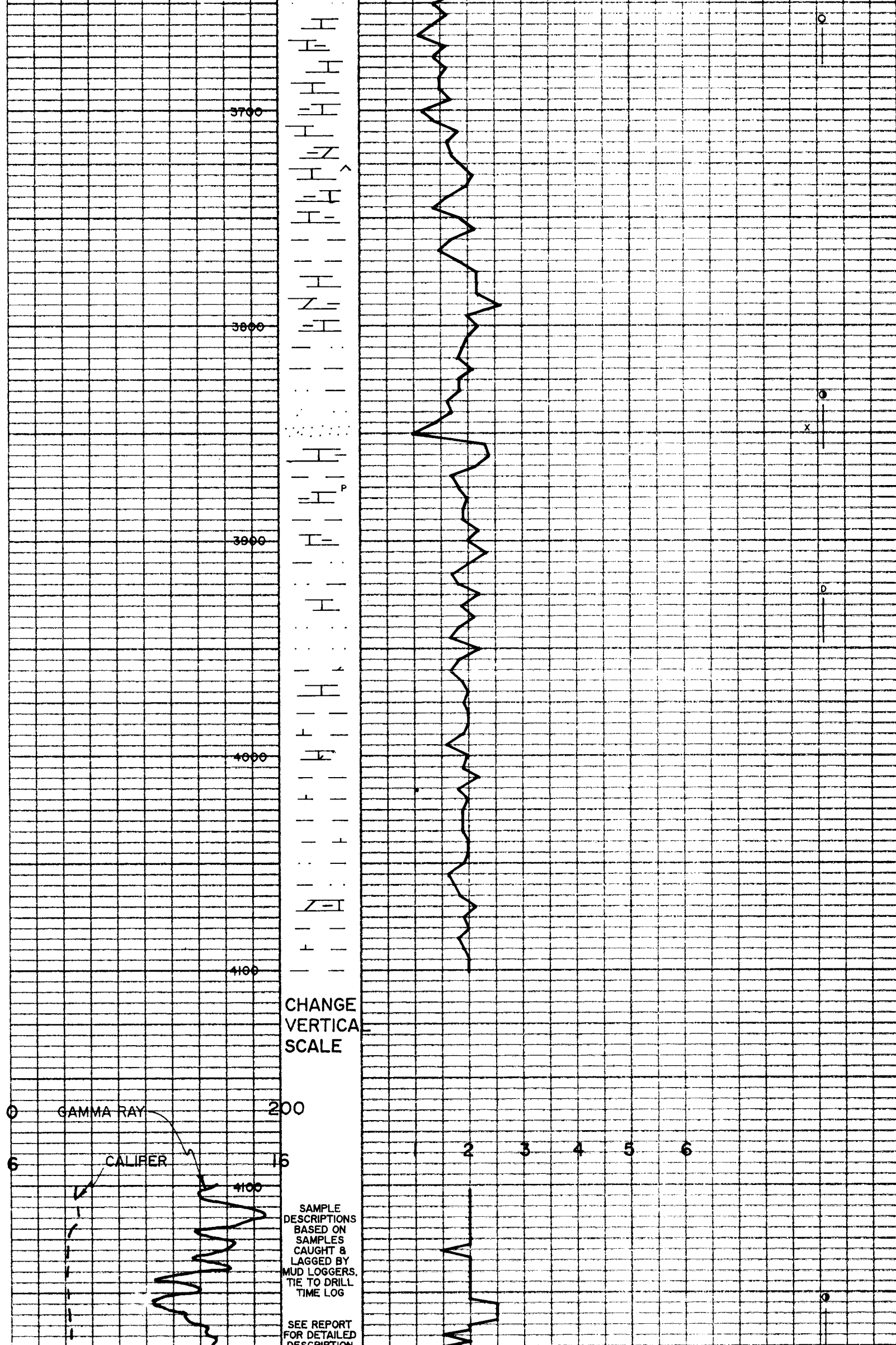




G

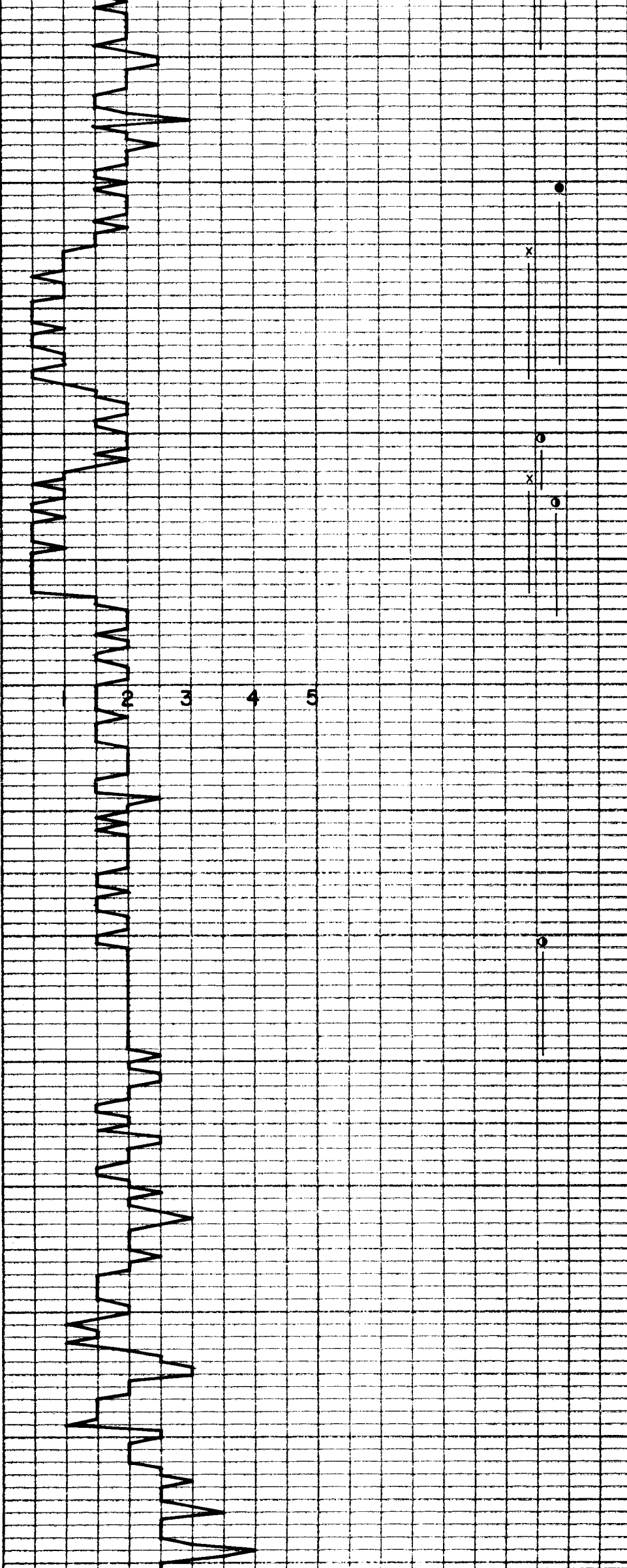
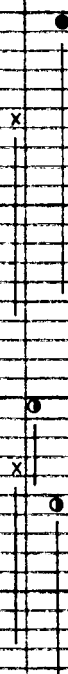
2

2



SAMPLE DESCRIPTIONS
BASED ON
SAMPLES
CAUGHT &
LAGGED BY
MUD LOGGERS.
TIE TO DRILL
TIME LOG

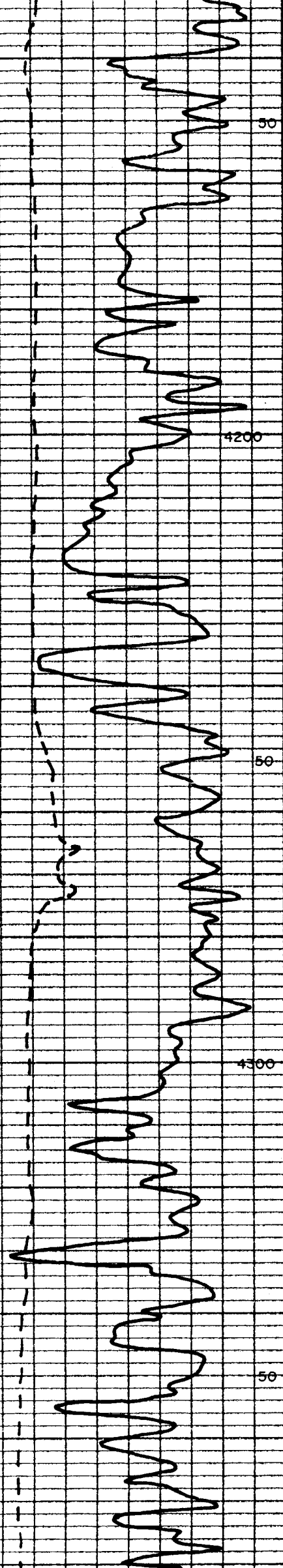
SEE REPORT
FOR DETAILED
DESCRIPTION

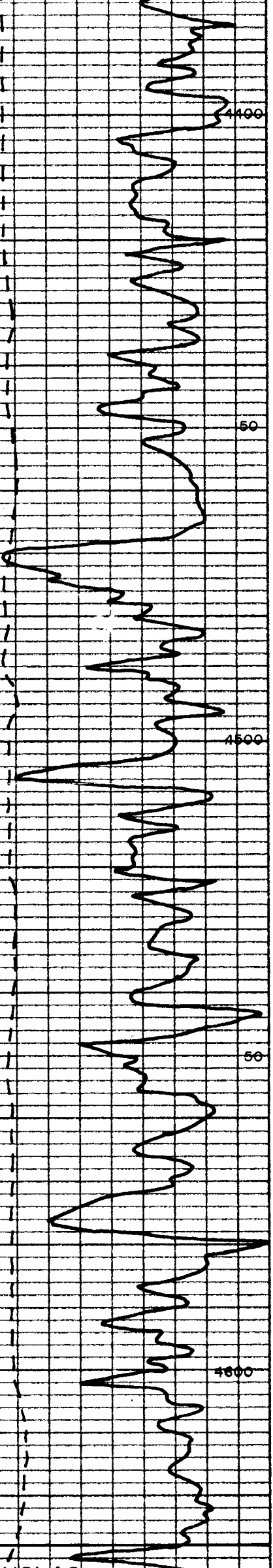
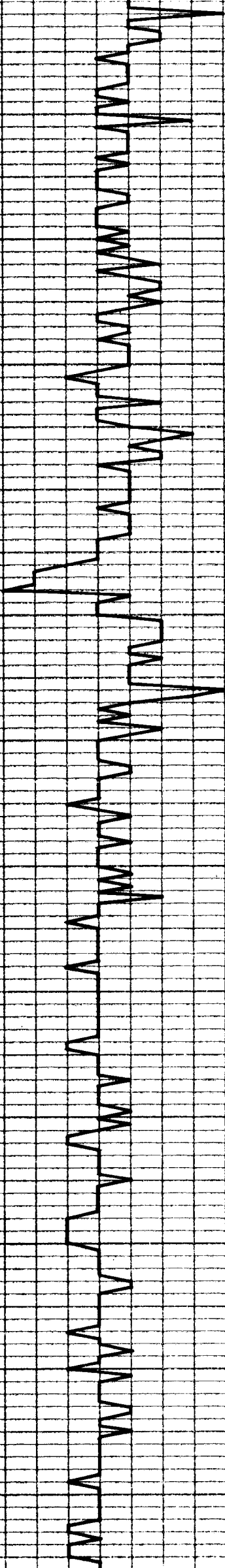


OF SAMPLES,
POROSITY &
SHOWS

G

G





DODGLAS
CREEK

50

G

4750

50

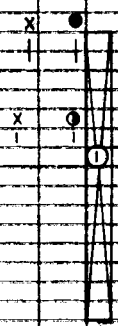
4800

G

50

SEE GEOLOGIC REPORT
FOR CORE DETAILS

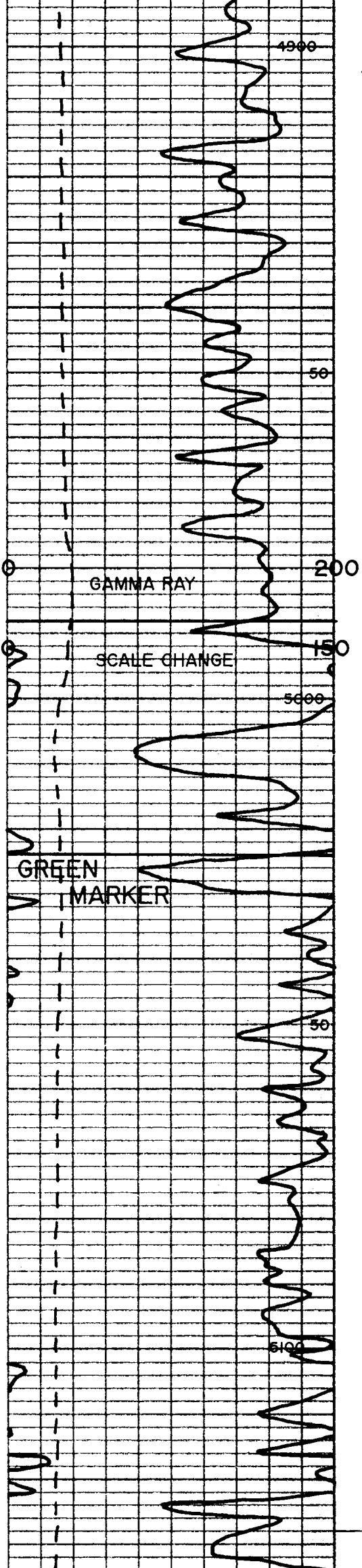
TOH FOR CORE
@ 4666'



TOH @ 4800'
FOR CORE



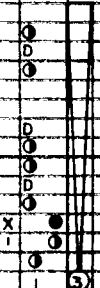
DOWGLAS
CREEK MARKER



GREEN
MARKER



TOH # 5104
FOR CORE



NO. 101 3355

RECORDED BY

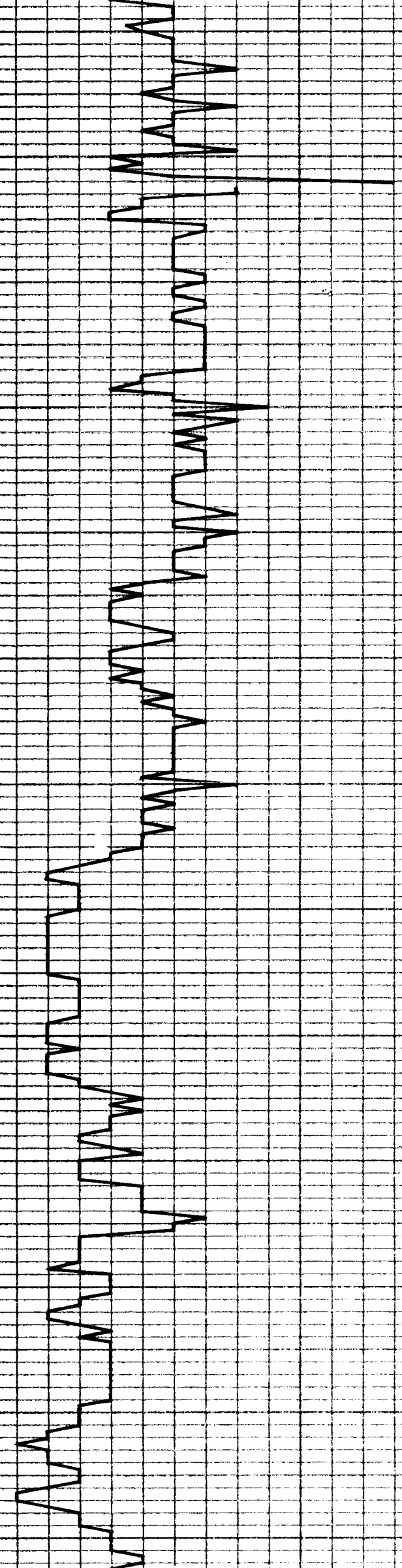
RECORDING CHART

GRAPHIC CONTROLS CORPORATION

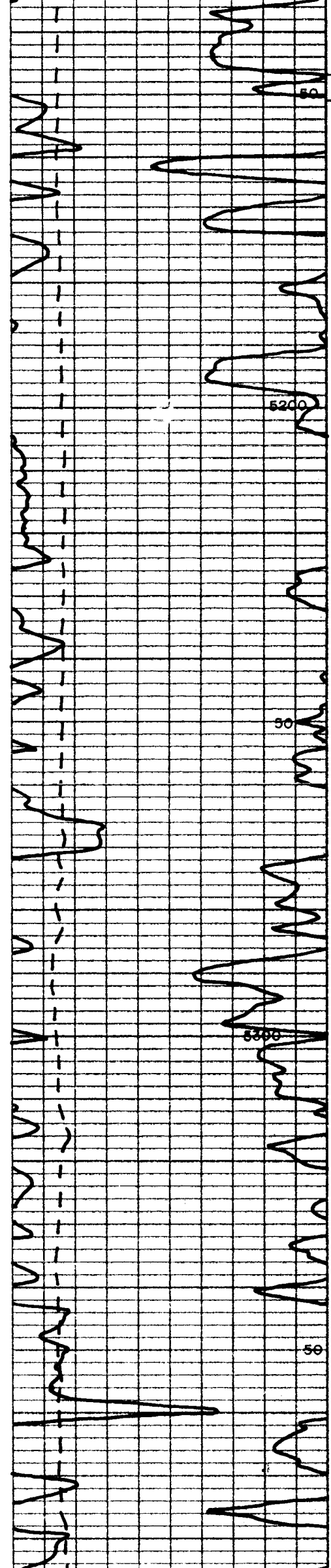
BUFFALO, NEW YORK

NO. 101 3355

RECORDED BY



G



5200

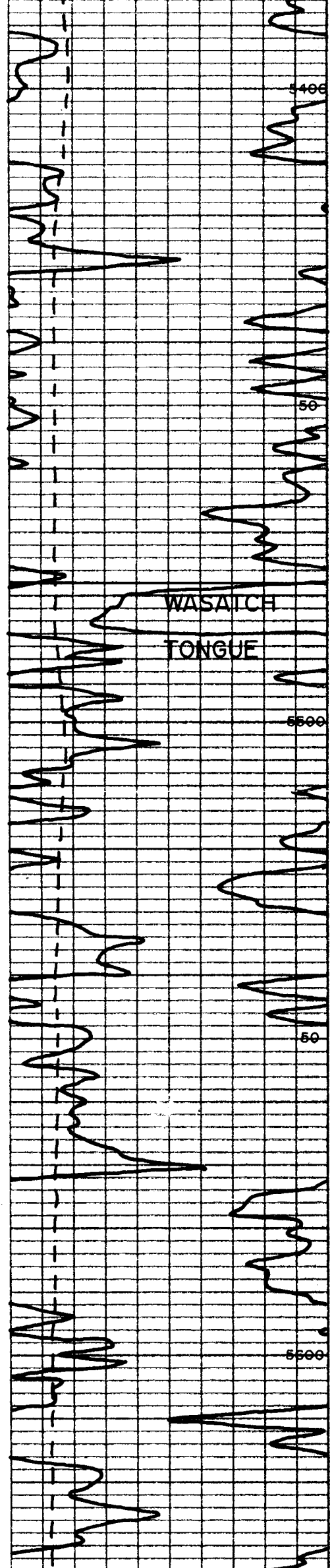
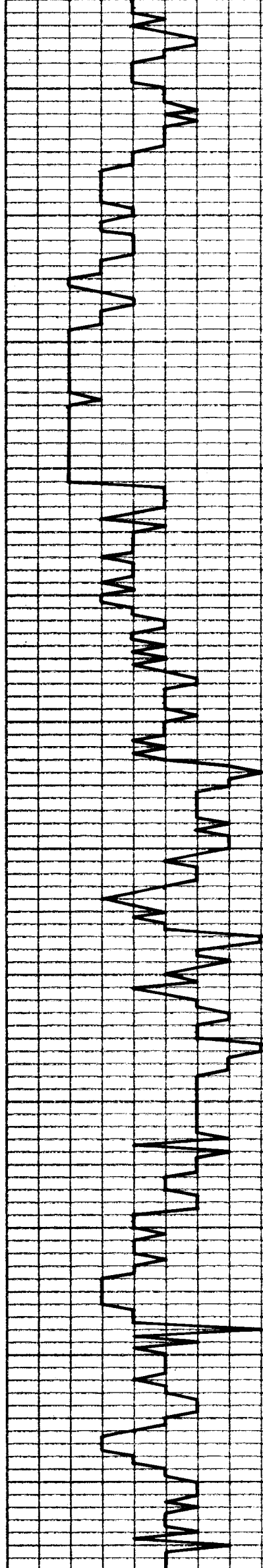
50

5300

50

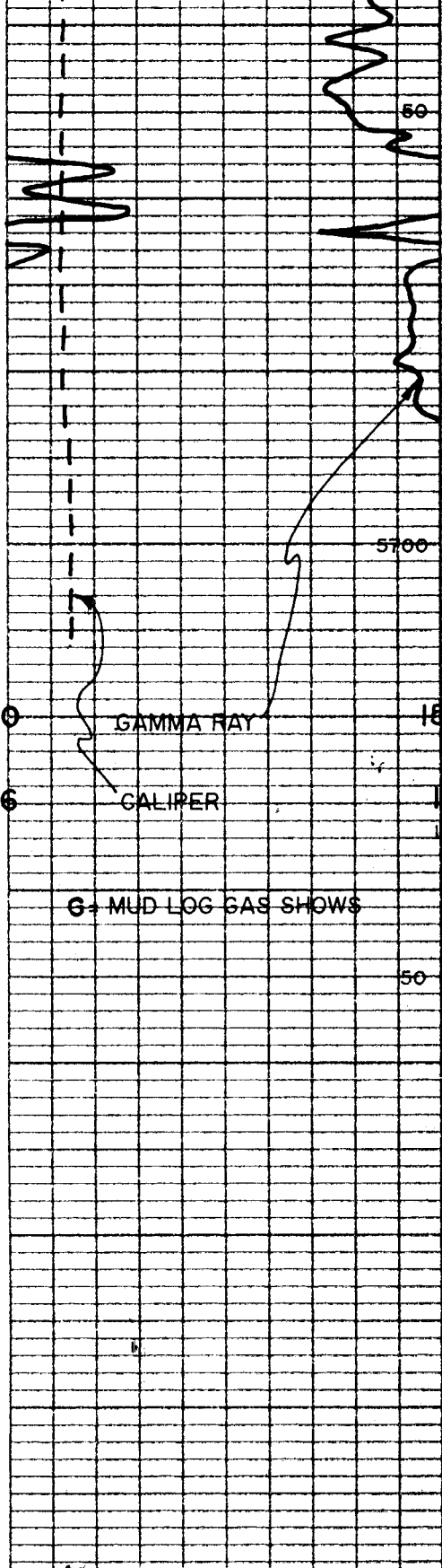
RECORDING CHART

X D
X



WASATCH
TONGUE

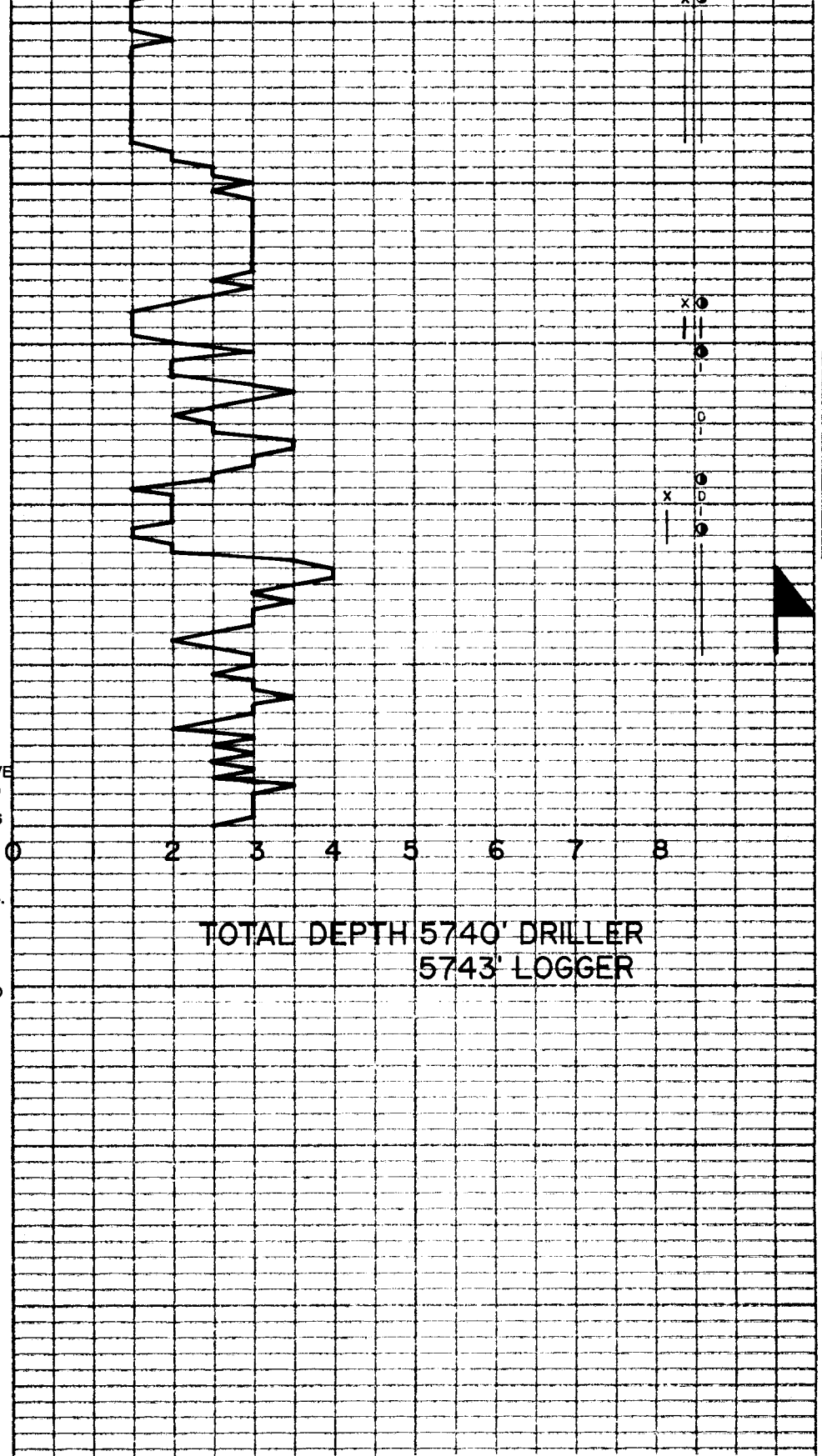
5400 50 5500 50 5500



G = MUD LOG GAS SHOWS

INTERPRETATIVE
LITHOLOGIC &
SAMPLE
DESCRIPTIONS
BASED ON
SAMPLES
CAUGHT &
LAGGED BY
MUD LOGGERS.
TIE TO DRILL
TIME LOG

SEE REPORT
FOR DETAILED
DESCRIPTION
OF SAMPLES,
POROSITY &
SHOWS



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY (Balcron Oil Division)

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 6, T9S, R17E

1832' FSL, 1829' FEL

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Federal #33-6

9. API Well No.

43-013-31361

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other waterflood completion

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator intends to complete this well as part of our Monument Butte pilot waterflood project. Work will be done as shown on the attached Waterflood Recompletion Procedure and Well Report. Work will begin immediately.

RECEIVED

DEC 16 1992

DIVISION OF
OIL, GAS & MINING

Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 12/30/92

By: D. Jones

14. I hereby certify that the foregoing is true and correct

Signed

Dobbie Schuman

Coordinator of Environmental
and Regulatory Affairs

Date December 16, 1992

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Federal Approval of this

Action is Necessary

Title

Date

Balcron Oil
Monument Butte Federal # 33-6
NW SE Sec.6 Twn.9S Rge.17E
Duchesne County, Utah

Waterflood Recompletion Procedure

- 1.) Move in and rig up completion rig.
- 2.) Trip out of hole laying down rods and pump.
- 3.) Nipple up BOP. Circulate hole with hot 2% KCl water. Trip out with 2 7/8" tubing.
- 4.) Pick up packer assembly. Trip in hole. Set packers. Nipple up injection head. Load casing with packer chemical. Preform MIT on casing.
- 5.) Rig down and move off completion rig.

Casing:

5725', 5 1/2", 15.50 #/ft, J-55
PBSD = 5693' KB

Tubing:

148 Joints (4575'), 2 7/8", 6.4 #/ft, J-55

Rods:

120 - 3/4" X 25' Scrapered rods
60 - 3/4" X 25' plain rods

BALCRON OIL**WELL REPORT**

WELL NAME: Balcron Monument Federal #33-6
FIELD: Monument Butte
FEDERAL LEASE NO.: U-020252A
LOCATION: NW SE Sec. 6, T9S, R17E
COUNTY/STATE: Duchesne, UT
WORKING INTEREST: 1.00
PRODUCING FORMATION: Green River
COMPLETION DATE:
INITIAL PRODUCTION:
OIL/GAS PURCHASER:
PRESENT PROD STATUS:
ELEVATIONS - GROUND: 5267'
TOTAL DEPTH:

API NO.:

NET REVENUE INT.: 0.825

SPUD DATE: 11/3/92
OIL GRAVITY:
BHT:
DATE: 7/30/92
KB: 5278' (11'KB)
PLUG BACK TD: 5693'KB

SURFACE CASING

STRING: 1
CSG SIZE: 8 5/8"
GRADE: K-55
WEIGHT: 24 lbs.
LENGTH: 258'
DEPTH LANDED: 267'KB
HOLE SIZE: 12 1/4"
CEMENT DATA: 161 sx 75% Class - G
& 25% Litpoz

PRODUCTION CASING

STRING: 1
CSG SIZE: 5 1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 5714'
DEPTH LANDED: 5725'KB
HOLE SIZE: 7 7/8"
CEMENT DATA: 226 sx Lift &
400 sx Class - G
CEMENT TOP AT:

TUBING RECORD

SIZE/GRADE/WT.:
NO. OF JOINTS: LENGTH:
TUBING LANDED AT:
TUBING ANCHOR:
SEATING NIPPLE:
PERF. SUB:
MUD ANCHOR:
PACKER:

PERFORATIONS

Schlumberger
4658'-4666' 4 holes
4672'-4676' 2 holes
4814'-4824' 6 holes

SUCKER ROD RECORD

PUMP SIZE:
STROKE LENGTH:
PUMP SPEED, SPM:
PUMPING UNIT SIZE:
PRIME MOVER:

ACID JOB

4814'-4824' Spot 250 gal 15% HCl Acid, BD @ 2300,
Avg. 5.5 STBPM @ 1690psig, ISIP @ 740psig.

4658'-4676' Spot 250 gal 15% HCl Acid w/10
ball sealers, BD @ 4550, 5.5 BPM @ 1800psig,
Good ball action, ISIP @ 950psig.

FRAC JOB

Frac w/Western @ 32 BPM @ 2900psig, ISIP @ 1850psig,
5 min @ 1550psig, 10 min @ 1340psig, 15 min
@ 1020psig.



BALCRON OIL

A Division of
Equitable Resources Energy Company

P.O. Box 21017
1601 Lewis Avenue Building
Billings, Montana 59104
(406) 259-7860

December 30, 1992

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E
Duchesne County, Utah

Enclosed is a sundry notice reporting a spill on the
referenced well.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosure

cc: State of Utah; Division of Oil, Gas, & Mining

RECEIVED

JAN 04 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 6, T9S, R17E

1832' FSL, 1829' FEL

5. Lease Designation and Serial No.
U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. #33-6

9. API Well No.

43-013- 31361

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
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☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

At oil spill occurred at 6:30 a.m. on 12/30/92 at this well. Cause was due to the well blowing back out. Approximately 30 BO was spilled. All remained at the wellhead. The oil will be shoveled into a tank and hot oiled. We anticipate total recovery of the oil.

The following were notified by telephone 12/30/92:

Benna Muth, Vernal Bureau of Land Management
Frank Matthews, Utah Division of Oil, Gas, & Mining

RECEIVED

JAN 9 4 1993

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Coordinator of Environmental

Signed

Bobbie Schuman

Title and Regulatory Affairs

Date December 30, 1992

(This space for Federal or State office use)

Approved by
Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING**CONFIDENTIAL****WELL COMPLETION OR RECOMPLETION REPORT AND LOG**1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____

b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESV. ☐

2. NAME OF OPERATOR

EQUITABLE RESOURCES ENERGY COMPANY

3. ADDRESS OF OPERATOR

P.O. Box 21017, Billings, MT 59104

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

1832' FSL, 1829' FEL

At top prod. interval reported below

At total depth

14. API NO.

43-013-31361

DATE ISSUED

6-25-92

12. COUNTY

Duchesne

13. STATE

Utah

15. DATE SPUDDED

10-24-92

16. DATE T.D. REACHED

11-15-92

17. DATE COMPL. (Ready to prod.)

12-1-92

18. ELEVATIONS (OF. RES. AT, GR, ETC.)

5267.7' GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5740'

21. PLUG BACK T.D., MD & TVD

5693'

22. IF MULTIPLE COMPL., HOW MANY

23. INTERVALS DRILLED BY

ROTARY TOOLS

Sfc. - TD

CABLE TOOLS

none

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)

Green River 4658'-4824'

25. WAS DIRECTIONAL SURVEY MADE

no

26. TYPE ELECTRIC AND OTHER LOGS RUN

Array Induction Log, FDC-CNL-GR, NGT

27. WAS WELL CORED YES ☒ NO ☐ (Submit analysis)
DRILL STEM TEST YES ☐ NO ☐ (See reverse side)

See back

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	256'	12-1/4"	151 sxs "G" with additives	none
5-1/2"	15.5#	5714'	7-7/8"	325 sxs Hilift and 400 sxs "G" with additives	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
n/a					2-7/8"	4575'	n/a

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

4658' 4666' - 4 holes
 4672' 4675' - 2 holes
 4814' 4824' - 6 holes
 Shot with 4" casing guns.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4658'-4824'	500 gallons 15% HCL
	52100# 16/30 sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
n/a		Swabbed					SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO	
12-1-92	4	n/a	→	5	not measured	5		
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)		
		→	30		30			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Well SI - Will probably be converted to injection well.

TEST WITNESSED BY

Al Plunkett

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Bobbie Schuman

TITLE

Coordinator of Environmental and Regulatory Affairs

DATE

2/17/93

See Spaces for Additional Data on Reverse Side

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES:

Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

38.

GEOLOGIC MARKERS

Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert. Depth
			<p>No DSTs run.</p> <p>Cores #1: 4666'-4695' Recovered 29'. Cores #2: 4800'-4842' Recovered 42'. Cores #3: 5104'-5164' Recovered 59-1/2'</p>	See Geologic Report to be sent separately.		

DAILY OPERATING REPORTBALCRON MONUMENT #33-6 43-013-3136 /

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

1829' FEL 1832' FSL

PTD: 6,200' Formation: Top of Wasatch

Green River Prospect

Elevations: 5267.7' GL

Contractor: Molen Rig #1

Operator: Balcron Oil

Spud: 10-24-92 @ 1 p.m.

Casing: 8-5/8" @ 256' GL

5-1/2" @ 5713.92'

Tubing: 2-7/8" @ 4574.97' KB

--TIGHT HOLE--

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FEB 22 1993

DIVISION OF
OIL, GAS & MINING

- 10-14-92 Move pipe line over to West side of location.
- 10-16-92 Start location.
- 10-20-92 Finish location.
- 10-23-92 MI Parker Air Drilling rig.
- 10-24-92 Spud @ 1 p.m. 10-24-92 & start drilling. Made 130' in 8" hole.
- 10-25-92 Drill to 260' w/8" bit. POOH & get ready to ream 12-1/4".
DC: \$10,495 CC: \$10,495
- 10-26-92 Got 12-1/4" hole reamed to 140'.
- 10-27-92 Reamed 12-1/4" hole to 260'.
- 10-28-92 Pull drill stem & lay it down. Run 6 jts 8-5/8" csg & cmt w/Dowell. 3 centralizers & wood plug. Csg set @ 256' GL. Cmt w/161 sxs 75-25% w/2% CCL & 1/4#/sx Celoflake. 10 bbls cmt back & did not fall down hole. Plug down @ 2 p.m. 10-28-92.
DC: \$7,880 CC: \$18,375
- 10-30-92 Drill rat hole & mouse hole. RD Parker air drilling & move off.
- 11-1-92 Present Operation: Prepare to move rotary on. Put pit liner in pit & start hauling wtr.
DC: \$3,700 CC: \$22,075

RECEIVED

FEB 22 1993 2

DAILY OPERATING REPORT

BALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

DIVISION OF
OIL, GAS & MINING

--TIGHT HOLE--

11-3-92 TD: 306' (35') Day 1
Formation: Duchesne
MW fresh wtr
Present Operation: Drilling
MIRU, weld on csg head & NU BOP. Test BOP & manifold to 2000#. Test csg to 1500# - OK. PU drill collars & drill cmt. Drill new hole.
DC: \$4,327 CC: \$22,702

11-4-92 TD: 1,337' (1,031') Day 2
Formation: Duchesne
MW 8.4 VIS 26 pH 9.7
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$14,756 CC: \$37,458

11-5-92 TD: 2,420' (1,083') Day 3
Formation: Horseshoe Bench
MW 8.4 VIS 26 pH 10
Present Operation: Drilling
Drill, survey, work on mud pump, replace pony rod, & both swabs.
DC: \$14,776 CC: \$52,234

11-6-92 TD; 2,715' (275') Day 4
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: Drilling
Drill, survey, hole getting crooked, out to 5-1/4° @ 2596'. TOH, bit OK. WO IBS, TIH w/pendulum assembly. Drill & survey. Weight 10-1500# on bit, 85 RPM. Did not get over the drilling nipple gas.
DC: \$5,686 CC: \$57,920

11-7-92 TD: 2,912' (197') Day 5
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Trip
Drill w/15000# on bit & 85-90 RPM. Drill & survey. Trip to remove TBS @ 2912', making dog leg.
DC: \$4,293 CC: \$62,213

RECEIVED

FEB 22 1993 2

DAILY OPERATING REPORT

BALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

DIVISION OF
OIL, GAS & MINING

--TIGHT HOLE--

11-3-92 TD: 306' (35') Day 1
Formation: Duchesne
MW fresh wtr
Present Operation: Drilling
MIRU, weld on csg head & NU BOP. Test BOP & manifold to 2000#. Test csg to 1500# - OK. PU drill collars & drill cmt. Drill new hole.
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MW 8.4 VIS 26 pH 9.7
Present Operation: Drilling
Drill, survey, & clean on rig.
DC: \$14,756 CC: \$37,458

11-5-92 TD: 2,420' (1,083') Day 3
Formation: Horseshoe Bench
MW 8.4 VIS 26 pH 10
Present Operation: Drilling
Drill, survey, work on mud pump, replace pony rod, & both swabs.
DC: \$14,776 CC: \$52,234

11-6-92 TD; 2,715' (275') Day 4
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: Drilling
Drill, survey, hole getting crooked, out to 5-1/4° @ 2596'. TOH, bit OK. WO IBS, TIH w/pendulum assembly. Drill & survey. Weight 10-1500# on bit, 85 RPM. Did not get over the drilling nipple gas.
DC: \$5,686 CC: \$57,920

11-7-92 TD: 2,912' (197') Day 5
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Trip
Drill w/15000# on bit & 85-90 RPM. Drill & survey. Trip to remove TBS @ 2912', making dog leg.
DC: \$4,293 CC: \$62,213

RECEIVED

FEB 22 1993

DIVISION OF³
OIL, GAS & MININGDAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

--TIGHT HOLE--

11-8-92 TD: 3,481' (569') Day 6
Formation: Green River
MW 8.5 VIS 26 pH 10.2
Present Operation: Run survey.
Finish trip & start to drill w/25000# weight & 65-70 RPM,
survey, clean & paint on rig. Increase weight to 35000#.
Background Gas - 30-50 units. Connection Gas - 110
units.
DC: \$8,397 CC: \$70,610

11-9-92 TD: 4,196' (715') Day 7
Formation: Green River
MW 8.5 VIS 26 Ph 9.7
Present Operation: Drilling
Drill, survey, clean on rig, & paint. Background Gas -
40 units.
DC: \$10,305 CC: \$80,915

11-10-92 TD: 4,666' (470') Day 8
Formation: Green River
MW 8.5 VIS 26 pH 9.9
Present Operation: Cut drill line.
Drill, survey, circ btms up, TOH to PU reamers. TIH part
way & cut drill line.
DC: \$7,775 CC: \$88,690

11-11-92 TD: 4,695' (29') Day 9
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: TIH w/bit.
Cut drill line & start reaming. Ream dog leg & wash to
btm to clean hole. TOH & PU core barrel. Tripping &
start coring @ 4666', cut 29' & make connection & core
barrel jammed. TOH & LD 29' of core. Stand back core
barrel. Start in hole.

11-12-92 TD: 4,862' (167') Day 10
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: Work on drawworks.
TIH to drill. Drill to 4800' & TOH for core #2. TIH
w/core barrel. Core 42' & jammed. TOH & LD core.
Recover 42', 10'-12' good sand. Stand core barrel back
& TIH to drill. WTB & drill. Work on rig.
DC: \$6,496 CC: \$100,001

RECEIVED

FEB 22 1993

4

DIVISION OF
OIL, GAS & MININGDAILY OPERATING REPORTBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

--TIGHT HOLE--

- 11-13-92 TD: 5,104' (242') Day 11
Formation: Green River
MW 8.5 VIS 26 pH 9.7
Present Operation: TOH for core bbl.
Replace bearing on main shaft in drawworks. Drill to 5104', cdrop survey & start out of hole. Smith bit #KV0103, 207-1/2 hrs, 6871 feet in 4 holes.
DC: \$5,369 CC: \$105,370
- 11-14-92 TD: 5,370' (266') Day 12
Formation: Green River
MW 8.5 VIS 26 pH 9.5
Present Operation: Drilling
TOH & PU core bbl. TIH & start coring @ 5104', cut 160' to 5164'. TOH & LD core, recover 58-1/2". LD core bbl & TIH w/bit. Go to drilling.
DC: \$18,215 CC: \$123,585
- 11-15-92 TD: 5,740' (370') Day 13
Formation: Green River
MW 8.5 VIS 26 pH 9.5
Present Operation: Logging
Drill, circ for logs, drop survey. TOH WO Schlumberger logging. HCL on location @ 6 a.m.
DC: \$8,305 CC: \$131,890
- 11-16-92 TD: 5,740' (0') Day 14
Formation: Green River
Present Operation: Nipple down BOP.
Log w/Schlumberger, let HLS run high resolution induction log. TIH & LD drill pipe & collars. Run 5-1/2" csg & cmt. Clean tanks, nipple down. 20 centralizers, 5-1/2" she joint & shoe; float collar; 125 jts 5-1/2", 15.5, K-55 csg; csg set @ 5713.92'. Cmt w/226 sxs hilift & 400 sxs Class "G". Plug down @ 4 a.m.
DC: \$67,128 CC: \$199,018
- 11-17-92 Present Operation: Move off.
ND BOP. Set slips, cut off csg. Move rig off.
DC: \$16,540 CC: \$215,558

RECEIVED

FEB 22 1993

5

DAILY OPERATING REPORTDIVISION OF
OIL, GAS & MININGBALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E

Duchesne County, Utah

--TIGHT HOLE--

- 11-18-92 Completion
Weld on bell nipple & install tbg head. Set anchors.
Start leveling location w/road drag.
- 11-19-92 Completion
Finish cleaning & get location ready for pulling unit.
DC: \$2,808 CC: \$218,366
- 11-24-92 Completion
MI pulling unit & RU. Nipple up BOP. Move circulating
unit & frac tanks to location. Fill tank on circ unit
w/2% KCL wtr. PU bit & craper & run 2-1/2" tbg. Find
PBD @ 5691'. Circ hole w/2% KCL wtr. POOH & get ready
to perf in a.m. SWI & SDFN.
DC: \$12,757 CC: \$231,123
- 11-25-92 Completion
RU Schlumberger & run collar & bond log. Perf w/4" csg
gun. 4658'-4666', 4 holes, 4672'-4676', 2 holes, 4814'-
4824' 6 holes. Run bridge plug & packer. Break down
perfs 4814'-4824' w/250 gal HCL. Spot acid & break down
@ 2300#. Pump in @ 5-1/2 bbls/min @ 1690#. Move plug &
packer up to perfs @ 4658'-4676'. Spot 250 gal HCL &
drop 10 RCN balls. Break down @ 4550# down to 1900#.
Get good ball action up to 2800#. Shut down & surge ball
off. Get 5-1/2 bbls/min @ 1800#. RD Dowell dowj & move
plug below perfs & set packer above perfs @ 4600'. SWI
& SDFN. Instant shut down pressure on btm perfs 740#,
instant shut down pressure on top perfs 950#.
DC: \$6,405 CC: \$237,528
- 11-26-92 Well shut-in.
- 11-27-92 Completion
TP 175#, FL - 2300'. Swab well down approximately 50%
oil. Make 1 swab pull per hr for 5 hrs. Get 150' per
hr. Leave a plug in hole, fill tbg w/wtr & release
packer & POOH. get ready for frac in a.m. SWI & SDFN.
Recover 14 bbls oil & wtr.
DC: \$3,152 CC: \$240,680

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FEB 22 1993

6

DAILY OPERATING REPORT

DIVISION OF
OIL, GAS & MINING

BALCRON MONUMENT #33-6

Location: NW SE Section 6, T9S, R17E
Duchesne County, Utah

--TIGHT HOLE--

11-28-92 Completion

RU Western Company & frac well. All went very good. Average treating pressure 2900#, average rate 32 bbls/min. ISDP - 1850#, 5 min, 1550, 10 min 1340, 15 min 1020.. Total fluid pumped 610 bbls. SWI & SDFN. Got 3" of snow.

DC: \$23,583

CC: \$264,263

11-29-92 Completion

Well on slight vacuum. TIH w/plug catcher, 1 jt tbg & packer. Tag sand @ 4530'. Circulate sand out & circ hole clean to bridge plug @ 4855'. Pull 10 jts & set packer @ 4510', end of tbg @ 4550'. RU swab & start swabbing. Swab 4 hrs & recover 105 bbls oil & wtr 50% oil. Has enough gas to blow fluid off swab when stop @ top. Last 2 pulls - 20 min apart, had 500' fluid each pull. SWI & SDFN. Swab 105 bbls oil & wtr.

DC: \$4,375

CC: \$268,638

11-30-92 Completion

TP - 65#, FL - 1300'. Swab 30 bbls. 80% oil making a big mess. Release packer & retrieve bridge plug. TOOH, TIH w/reduction tbg. SWI, get flat tank emptied & cleaned. SDFN.

DC: \$2,030

CC: \$270,668

12-1-92 Completion

RD BOP, flange up wellhead. Run pump & rods. Space out pump, pressure test to 800# - OK. RD pulling unit & move off. Tbg detail: 1 jts 2-7/8", J-55 tbg - 31.15'; perf sub - 3'; seating nipple - 1'; 147 jts 2-7/8", J-55 tbg - 4527.97'; KB - 12'; tbg landed @ 4574.97' KB. Rod detail: Polish rod 1-1/4 x 20; 3/4 subs 6', 6', 4', 4', 2'; 3/4 slick rods - 60; 3/4 metal scraper rods - 120; 2-1/2" x 1-1/4" x 20 top holddown pump.

DC: \$4,310

CC: \$274,978

Test Conducted by: Allniter Hot Oil Service - Pat Wisener
Inspected by: John Jelliti - Balcon Jerry Barnes - B.C.M.
Others Present: _____

REPORT OF WATER ENCOUNTERED DURING DRILLING - FORM 7

1. Well name and number: Balcron Monument Federal # 33-6
API number: 43-013-31361
2. Well location: QQ NW SE section 6 township 9S range 17E county Duchesne
3. Well operator: BALCRON OIL
Address: P.O. Box 21017 phone: (406) 259-7860
Billings, MT 59104
4. Drilling contractor: Molen Drilling
Address: P.O. Box 2222 phone: (406) 252-2591
Billings, MT 59103

5. Water encountered (continue on reverse side if necessary)

Depth		Volume (flow rate or head)	Quality (fresh or salty)
from	to		
No measurable water encountered during drilling operations.			

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FEB 22 1993

DIVISION OF
OIL, GAS & MINING

6. Formation tops: See Geologic Report sent separately.
- _____
- _____
- _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman
Title Coordinator of Environmental Date 2/17/93
and Regulatory Affairs

Comments:

OIL TOOLS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 01 1993

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

DIVISION OF
OIL GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other Water Injection

2. Name of Operator

EQUITABLE RESOURCES ENERGY COMPANY Balcron Oil Division

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 6, T9S, R17E

1832' FSL, 1829' FEL

5. Lease Designation and Serial No.

U-020252A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.

Balcron Monument Fed. 33-6

9. API Well No.

43-013-31361

10. Field and Pool, or Exploratory Area

Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☐ Other

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut-Off

☒ Conversion to Injection

☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

This well was converted to a water injection well on 12/31/92. An injection packer assembly was run on 2-7/8" tubing to isolate two injection zones each having individual injection mandrels and orifices to control the water flow to the various zones. The packers and injection mandrels are set as follows:

Top zone Perfs @ 4658'-4676' KB, Packer @ 4632' KB; Mandrel @ 4699' KB
Lower zone Perfs @ 4814'-4824' KB; Packer @ 4768' KB; Mandrel @ 4837' KB

The casing annulus was displaced w/60 STB fresh water and 55 gallons of Champion chemical corrosion inhibitor (Cortron-2383) prior to setting the packers. The backside was then pressured to 500 psig and the pressure was held for a one-hour test. Water injection was started on 1/22/93 and is presently injecting at a rate of 110 STBWD and a tubing pressure of 800 psig. Refer to the attached wellbore diagram for packer and tubing details.

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman
Bobbie Schuman

(This space for Federal or State office use)

Title

Coordinator of Environmental
and Regulatory Affairs

Date

February 25, 1993

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side



EQUITABLE RESOURCES ENERGY COMPANY,
BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104
(406) 259-7860
FAX: (406) 245-1364

March 4, 1993

State of Utah
Uintah County
152 East 100 North
Vernal, UT 84078

Gentlemen:

Effective March 1, 1993, the name of our company has changed from Balcron Oil Company to Equitable Resources Energy Company, Balcron Oil Division.

Please make the necessary changes in your records and let me know if there is anything else we need to do in order to effect the change for the 1993 Uintah County Business License.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

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MAR 08 1993

DIVISION OF
OIL GAS & MINING

MONTHLY OIL AND GAS PRODUCTION REPORT

Operator name and address:

• DAWN SCHINDLER
BALCRON OIL
PO BOX 21017
BILLINGS MT 59104

Utah Account No. N9890

Report Period (Month/Year) 1 / 93

Amended Report ☐

Well Name			Producing	Days	Production Volume		
API Number	Entity	Location	Zone	Oper	Oil (BBL)	Gas (MSCF)	Water (BBL)
BALCRON COYOTE FEDERAL 22-7							
4304732256 11408 08S 25E 7			GRRV				
BALCRON COYOTE FEDERAL 42-6X							
4304732346 11409 08S 25E 6			GRRV				
BALCRON COYOTE FEDERAL 13-7							
4304732255 11412 08S 25E 7			GRRV				
FEDERAL 13-13							
4304732196 11417 08S 24E 13			GRRV				
BALCRON MONUMENT FEDERAL 11-6							
4301331362 11422 09S 17E 6			GRRV	— W/D			
BALCRON COYOTE FEDERAL 33-5							
4304732257 11424 08S 25E 5			GRRV				
BALCRON MONUMENT FEDERAL 24-6							
4301331363 11426 09S 17E 6			GRRV	— W/D			
BALCRON COYOTE FEDERAL 13-5							
430473226 11427 08S 25E 5			GRRV				
PARLETTE BENCH U #4							
4304715681 99990 9S 19E 7			GRRV	— W/D			
EAST RED WASH 2-5							
43-047-20252 1112 8S 25E 5			GRRV				
BALCRON COYOTE FED 42-6							
43-047-32258 11386 8S 25E 6							
BALCRON COYOTE FED 33-7							
43-047-32259 99999 8S 25E 7							
ALLEN FEDERAL A-1							
43-013-15780 1115 9S 17E 5			GRRV				
BALCRON MONUMENT FED 33-6							
43-013-31361 11438 9S 17E 6			GRRV	— W/D			
			TOTAL				

Comments (attach separate sheet if necessary) _____

I have reviewed this report and certify the information to be accurate and complete. Date _____

Authorized signature _____ Telephone _____

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-DEC
2-DTS	8-DEC
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☒ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 3-1-93)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>	FROM (former operator)	<u>BALCRON OIL</u>
(address)	<u>BALCRON OIL DIVISION</u>	(address)	<u>PO BOX 21017</u>
	<u>PO BOX 21017</u>		<u>BILLINGS MT 59104</u>
	<u>BILLINGS MT 59104</u>		
	phone <u>(406) 259-7860</u>		phone <u>(406) 259-7860</u>
	account no. <u>N 9890</u>		account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: <u>**ALL WELLS**</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- N/A 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form).
- lec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (filed 3-8-93)
- lec 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: 134640.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of **Federal and Indian** well operator changes should take place prior to completion of steps 5 through 9 below.
- lec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (3-19-93)
- lec 6. Cardex file has been updated for each well listed above. (3-19-93)
- lec 7. Well file labels have been updated for each well listed above. (3-19-93)
- lec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (3-19-93)
- lec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

**930319 Rec'd bond rider eff. 3-4-93.*

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *#5578314/80,000 Belton Oil, A Division of Equitable Resources Energy Company.*
2. A copy of this form has been placed in the new and former operators' bond files. **Upon completion of routing.*
3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any **fee lease** well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases. *see comments below*

FILMING

1. All attachments to this form have been microfilmed. Date: March 30 1993.

FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

930308 Bm 15.2. No change necessary, they always recognized company name as "Equitable Resources Energy Company, Belton Oil Division".

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR BALCRON OIL
ADDRESS P.O. Box 21017
Billings, MT 59104

Well name and number: Balcron Monument Federal #33-6

Field or Unit name: Monument Butte Field Lease no. U-020252A

Well location: QQ NW SE section 6 township 9S range 17E county Duchesne

Is this application for expansion of an existing project? . . Yes ☐ No ☒

Will the proposed well be used for: Enhanced Recovery? . . Yes ☒ No ☐
Disposal? Yes ☐ No ☒
Storage? Yes ☐ No ☒

Is this application for a new well to be drilled? Yes ☐ No ☒ *

If this application is for an existing well,
has a casing test been performed on the well? Yes ☐ No ☒

Date of test: _____ This well will be drilled and
API number: 43-013-31361 completed prior to December 2 hearing.

Proposed injection interval: from 4,650' to 5,170'

Proposed maximum injection: rate 600 BPD pressure 2500 psig

Proposed injection zone contains ☒ oil, ☐ gas, and/or ☐ fresh water within $\frac{1}{2}$ mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Logs are or will be on file prior to the Hearing.

I certify that this report is true and complete to the best of my knowledge.

Name Bobbie Schuman Signature Bobbie Schuman
Title Coordinator of Environmental Date October 16, 1992
Phone No. () and Regulatory Affairs PHONE: (406) 259-7860

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365 | |
FAX: (406) 245-1361 ✓

CONFIDENTIAL

April 8, 1993

Mr. Chuck Williams
Underground Injection Control 8WM-DW-UIC
U.S. Environmental Protection Agency
Region 8
999 - 18th Street, Suite 500
Denver, CO 80202-2466

Dear Mr. Williams:

Enclosed are copies of the Mechanical Integrity Pressure Tests
which were conducted on the following wells:

Allen Federal #1-6
SE SE Section 6, T9S, R17E
Duchesne County, Utah

43-013-15779

Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E
Duchesne County, Utah

43-013-31361

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining
Bureau of Land Management, Vernal

RECEIVED

APR 12 1993

DIVISION OF
OIL GAS & MINING



United States Department

BUREAU OF LAND

Vernal Dist

170 South

Vernal, Ut.

Phone (801) 789-1362

Post-It™ brand fax transmittal memo 7671

of pages 1

To <u>John Zellitti</u>	From <u>Jerry Barnes</u>
Co. <u>Balcran Oil</u>	Co. <u>B.L.M.</u>
Dept.	Phone # <u>801-789-1362</u>
Fax # <u>406-245-1361</u>	Fax # <u>801-789-3634</u>

FAX (801) 789-3634

MECHANICAL INTEGRITY PRESSURE TEST
CASING/TUBING ANNULUS

Lease No. UTU-020252A Date: 3-2-93
 Company Name: Balcran Oil
 Well Name: Monument Federal # 33-6 Permit No. _____
 Field Name: Monument Buttes County: Duchesne
 Well Location: NW/SE Sec 6 T 9S R 17E
 Well Type: SWD ER ☒ 2H Other: _____
 Type of Packer: See Notes Below Total Depth: _____
 Packer Set at (depth): _____ FT
 Surface Casing Size: 8 5/8, K-55, 24" From: 258' G.L. FT to Surface FT
 Casing Size: 5 1/2", J-55, 15.5" From: 5714' G.L. FT to Surface FT
 Tubing Size: 2 7/8, J-55, 4.5" Tubing Pressure during Test: 150 psig
 Time of Day: 10:30 am/pm
 Fluid in Annulus: Champion Chemical, Cortron-2383 mixed 55gal to 70 bbl 2% KCl wat

Test #1

10:30	0 Min:	<u>840</u>	psig
	5	<u>840</u>	psig
	10	<u>840</u>	psig
	15	<u>840</u>	psig
	20	<u>840</u>	psig
	25	<u>840</u>	psig
	30	<u>840</u>	psig
	35	<u>840</u>	psig
	40	<u>840</u>	psig
	45	<u>840</u>	psig
	50	<u>840</u>	psig
	55	<u>840</u>	psig
11:30	60	<u>840</u>	psig

Test #2

_____	psig	Notes:
_____	psig	Packers -
_____	psig	① Arrow Set - 1
_____	psig	Set @ 4768' K.B.
_____	psig	
_____	psig	② Arrow Snap Set
_____	psig	Set @ 4633' K.B.
_____	psig	
_____	psig	
_____	psig	
_____	psig	This well was
_____	psig	capped with
_____	psig	5 bbl diesel fuel
_____	psig	to prevent freeze
_____	psig	up

Test Conducted by: Allwater Hot Oil Service - Pat Wisner
Donna Forsythe - Balcran Oil Jerry Barnes - B.L.M.



**EQUITABLE RESOURCES
ENERGY COMPANY**

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860
FAX: (406) 245-1365
FAX: (406) 245-1361

April 15, 1993

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Gentlemen:

RE: Balcron Monument Federal #33-6
NW SE Section 6, T9S, R17E
Duchesne County, Utah
and
Balcrom Monument Federal #42-6
SE NE Section 6, T9S, R17E
Duchesne County, Utah

Enclosed are the site security/site facility diagrams for the referenced wells.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosures

cc: Utah Division of Oil, Gas and Mining

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APR 19 1993

DIVISION OF
OIL GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

CONFIDENTIAL

1. Type of Well
☒ Oil Well ☐ Gas Well ☒ Other injection well

2. Name of Operator
EQUITABLE RESOURCES ENERGY COMPANY

3. Address and Telephone No.
P.O. Box 21017; Billings, MT 59104 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NW SE Section 6, T9S, R17E
1832' FSL, 1829' FEL

5. Lease Designation and Serial No.
U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

n/a

8. Well Name and No.
Balcron Monument Fed. #33-6

9. API Well No.
43-013- 31361

10. Field and Pool, or Exploratory Area
Monument Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other site security diagram
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is the site security/site facility diagram for this injection well.

RECEIVED

APR 19 1993

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Lobbie Schuman

Coordinator of Environmental
and Regulatory Affairs

Date April 15, 1993

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

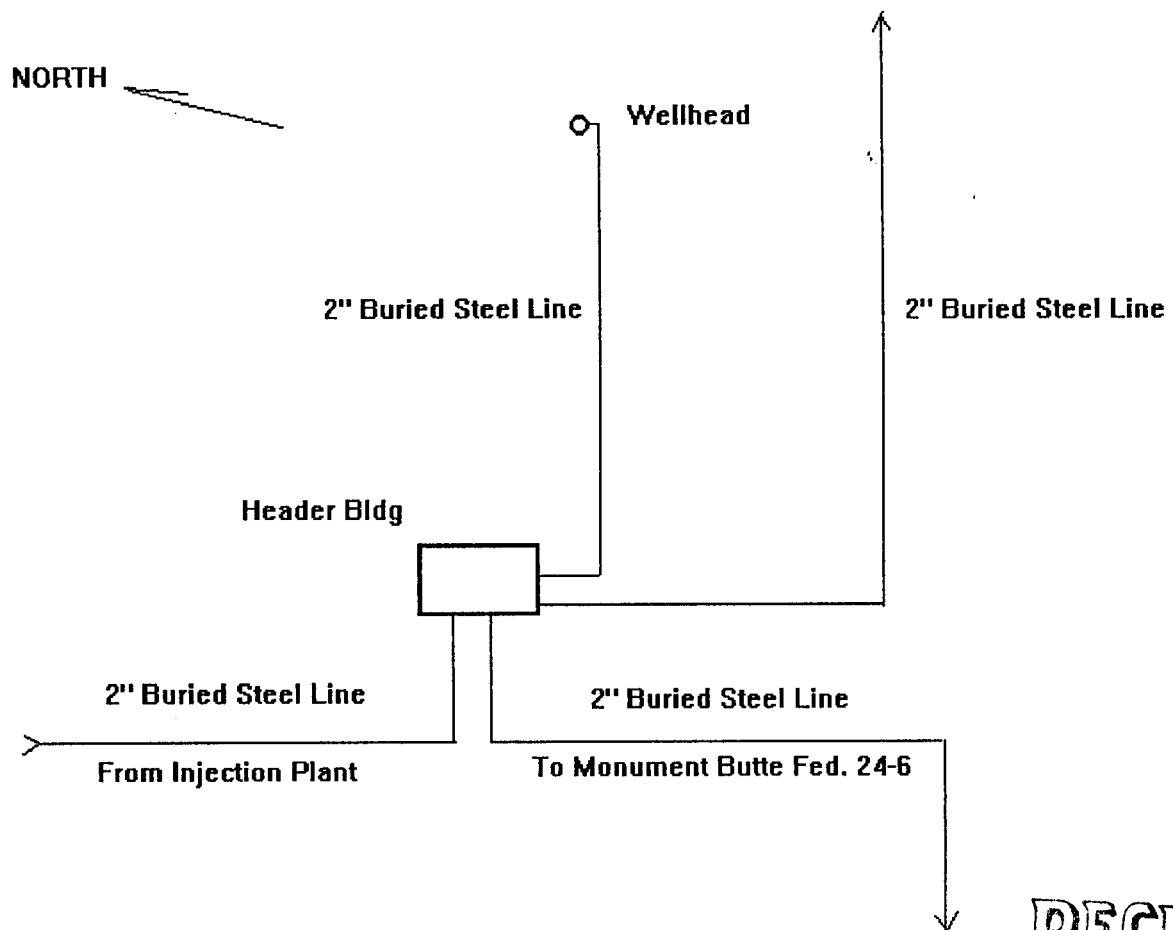
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Site Security Diagram
Equitable Resources Energy Company
Balcron Oil Division

Balcron Monument Butte Fed. #33-6
NW SE Sec.6 Twn.9S Rge.17E
Duchesne County, Utah

Lease #: U-020252-A



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APR 19 1993

DIVISION OF
OIL GAS & MINING

Injection Well:

No sealed valves

P.O. Box 21017
Billings, Montana 59104

406-259-7860



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
P.O. Box 21017
Billings, MT 59104

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒

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AUG 20 1993

DIVISION OF
OIL GAS & MINING

August 18, 1993

-- BY FAX and MAIL --

Bureau of Land Management
170 South 500 East
Vernal, UT 84078

ATTENTION: Jamie Sparger or Jerry Kenczka

Gentlemen:

I am FAXing a sundry notice reporting discharges made on some of our Monument Butte Field injection wells by Environmental Protection Agency representatives during inspections they made. The original sundry notice will be put in the mail today.

If you have any questions, please feel free to give me a call.

Sincerely,

Bobbie Schuman
Coordinator of Operations,
Environmental and Regulatory Affairs

/rs

Enclosure

cc: Utah Division of Oil, Gas and Mining (Frank Matthews)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

AUG 20 1993

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

DIVISION OF

2. Name of Operator

Equitable Resources Energy Company, Balcron Oil Division

OIL GAS & MINING

3. Address and Telephone No.

P.O. Box 21017; Billings, MT 59104

(406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

See attached list

5. Lease Designation and Serial No.

U-020252A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

See attached list

9. API Well No.

See attached list

10. Field and Pool, or Exploratory Area

Monument Butte/Grn.River

11. County or Parish, State

Duchesne County, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other report of discharge
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On August 17, 1993, operator discovered that Environmental Protection Agency (Region 8) representatives conducted inspections of the injection wells on the attached list and in their inspection blew the backside down causing a mixture of diesel and water (approximately 1/2-1 bbl total per location) to discharge onto location. The diesel is used as a blanket to prevent freezing. It is estimated that approximately 1/2 yard of dirt per location was impacted. The diesel stained the soil only slightly. On the Balcron Monument Federal #24-6 there was no diesel; however, water with a trace of oil blew from the tubing string causing minor staining.

The EPA Region 8 office was notified by telephone 8/17/93.

Cleanup of the locations will be done in conjunction with upcoming proposed reworks.

14. I hereby certify that the foregoing is true and correct

Signed

Bobbie Schuman

Title

Coordinator of Environmental
and Regulatory Affairs

Date August 18, 1993

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Attachment to Sundry Notice

Federal Lease #U-020252A

Allen Federal #13-6
NW SW Section 6, T9S, R17E
2070' FSL, 578' FWL
API #43-013-30918

Allen Federal #22-6
NW SE Section 6, T9S, R17E
2141' FNL, 1902' FWL
API #43-013-30919

Balcron Monument Federal #11-6 *Conf*
NW NW Section 6, T9S, R17E
804' FNL, 696' FWL
API #43-013-31362

Balcron Monument Federal #24-6 *Conf*
SW SE Section 6, T9S, R17E
504' FSL, 1613' FWL
API #43-013-31363

Balcron Monument Federal #33-6 *Conf*
NW SE Section 6, T9S, R17E
1832' FSL, 1829' FEL
API #43-013-31361

Balcron Monument Federal #42-6 *Conf*
SE NE Section 6, T9S, R17E
1806' FNL, 921' FEL
API #43-013-31364

8/18/93
/rs



EQUITABLE RESOURCES
ENERGY COMPANY

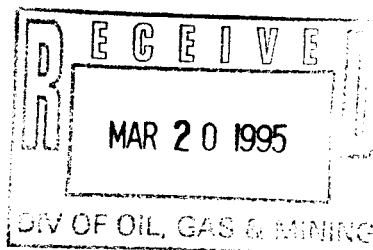
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860

FAX: (406) 245-1365 ☐

FAX: (406) 245-1361 ☒



March 16, 1995

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
355 West North Temple
Salt Lake City, UT 84180

Dear Mr. Jarvis:

Attached are copies of the injection profile reports for our enhanced recovery wells in the Jonah Unit.

If you have any questions, please call John Zellitti at (406) 259-7860.

Sincerely,

Bobbie Schuman
Regulatory and Environmental Specialist

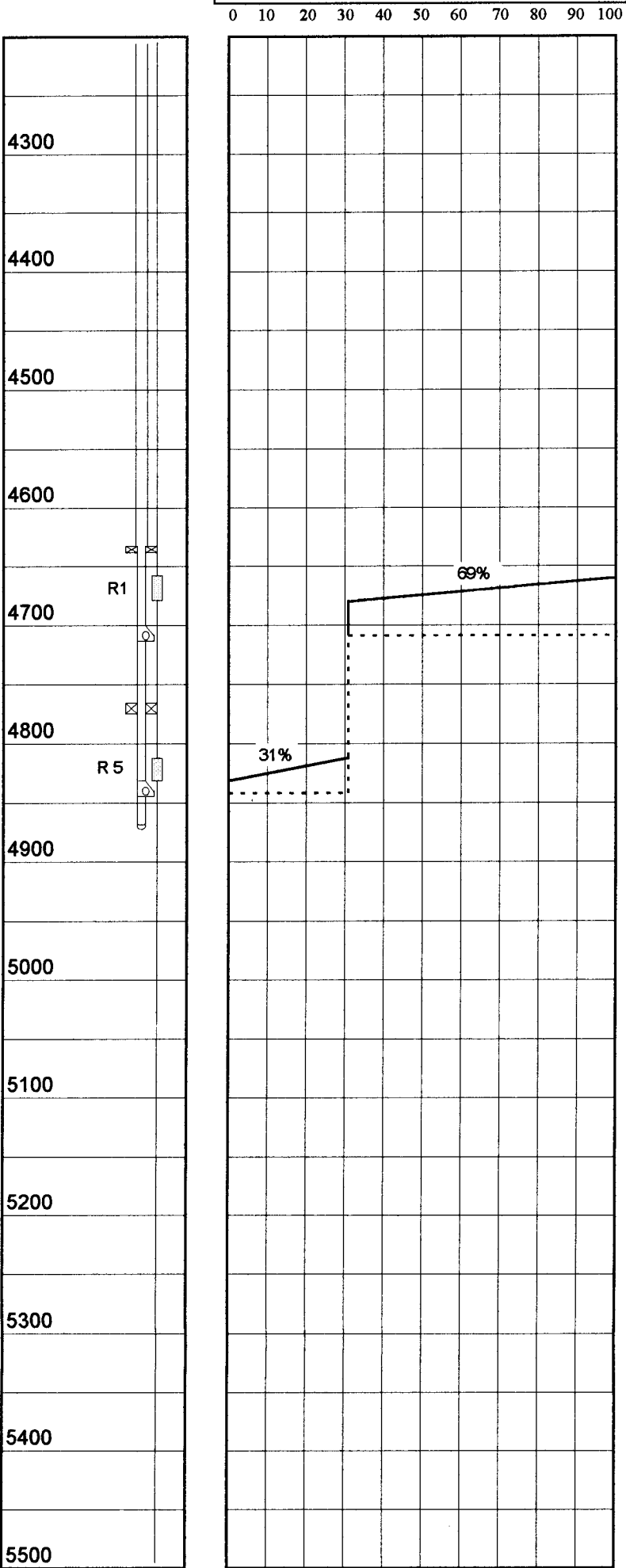
/hs

Attachments

EQUITABLE RESOURCES ENERGY COMPANY-BALCRON OIL DIVISION
INJECTION PROFILE

BALCRON MONUMENT
FEDERAL 33-6

Date: 1/4/95	Desired Rate: 150 B/D
Surface Temp: 44 F	Metered Rate: 150 B/D
BHT: 128 F	Measured Rate: 152 B/D
PBTD:	Tbg Pressure: 2000 PSI
TD: 4874	Csg Pressure: 0 PSI



Remarks: R/A Tracer survey indicates exits as shown. Packers check okay.
Service Company: Well Information Services, Inc.
Operator: Bart Williams

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>11/19/96</u>	Well Owner/Operator: <u>Equitable Resources</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: <u>43-013-31361</u>	Well Name/Number: <u>Monument Fed 33-6</u>
Section: <u>6</u>	Township: <u>9S</u> Range: <u>17E</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: 1450 psi
Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1050</u>	<u>1050 1450</u>
5	<u>1090</u>	<u>1475</u>
10	<u>1040</u>	<u>1490</u>
15	<u>1040</u>	<u>1495</u>
20	<u>1090</u>	<u>1500</u>
25	<u>1090</u>	<u>1500</u>
30	<u>1040</u>	<u>1500</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1500 psi
Casing/Tubing Annulus Pressure: 0 psi

REMARKS:

Tried to bleed off tubing before testing. Would
not bleed off below 1450 psi.

Don Farnsworth
Operator Representative

David W. Huffer
DOGM Witness



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078

Phone (801) 789-1362

FAX (801) 789-3634



IN REPLY REFER TO:

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. 11-020252-A
Company Name: Equitable Resources Energy CO. Date: 11-19-96
Well Name: Monument Fed. 33-6 Permit No. _____
Field Name: Monument Butte County: Duchesne
Well Location: NW SE Sec 6 T 9 S R 17 E
Well Type: SWD _____ ER _____ 2H _____ Other: _____
Type of Packer: Arrow set 1 Total Depth: 5693
Packer Set at (depth): 4583.64 KB FT
Surface Casing Size: 8.5/8 From: Surface FT to 261 FT
Casing Size: 5 1/2 From: Surface FT to 5740 FT
Tubing Size: 2 7/8 Tubing Pressure during Test: 1500 psig
Time of Day: 1:55 am/pm
Fluid in Annulus: Packer Fluid

	Test #1	Test #2
0 Min:	<u>1050</u> psig	_____ psig
5	<u>1040</u> psig	_____ psig
10	<u>1040</u> psig	_____ psig
15	<u>1040</u> psig	_____ psig
20	<u>1040</u> psig	_____ psig
25	<u>1040</u> psig	_____ psig
30	<u>1040</u> psig	_____ psig
35	<u>1040</u> psig	_____ psig
40	<u>1040</u> psig	_____ psig
45	<u>1040</u> psig	_____ psig
50	<u>1040</u> psig	_____ psig
55	<u>1040</u> psig	_____ psig
60	<u>1040</u> psig	_____ psig

Test Conducted by:

Inspected by: Dan W. Huffel State of Utah (DOGM)

Others Present: Dan Farnsworth EREC



EQUITABLE RESOURCES
ENERGY COMPANY

BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

APR 4 1996

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

April 1, 1996

Mr. Dan Jarvis
Utah Division of Oil, Gas and Mining
UIC Program
355 West North Temple
Salt Lake City, UT 84180

Dear Dan:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a listing of permits which we have with your Agency. This change will apply to those. If you note that I have missed some or if you have any questions, please do not hesitate to give me a call at (406) 259-7860, extension 240 to discuss this.

This change affects only our company name. The physical locations of our offices and the personnel remain the same.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

UTAH UIC PERMITS

Balcron Oil Monument Butte Jonah Unit Waterflood (new name)	
Formerly Monument Butte Area-A Waterflood Approved 12/22/92	
Area Permit No. UT2642-00000	
Allen Federal #22-6	UT2642-03729 (AREA PERMIT UT2642-00000)
Allen Federal #13-6	UT2642-03730 (AREA PERMIT UT2642-00000)
Allen Federal #31-6	UT2642-03731 (AREA PERMIT UT2642-00000) (State #UIC-142)
Allen Federal #1-6	UT2642-03732 (AREA PERMIT UT2642-00000)
Allen Federal #1A-5	UT2642-03733 (AREA PERMIT UT2642-00000)
	NOTE: Never converted to UIC - put back on production
Balcron Monument Fed. #11-6	UT2642-03734 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #24-6	UT2642-03735 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #33-6	UT2642-03736 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #42-6	UT2642-03737 (AREA PERMIT UT2642-00000)
Balcron Monument Fed. #13-5J	UT2642-04208 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #22-5J	UT2642-04209 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #24-5	UT2642-04210 (AREA PERMIT UT2642-00000) (State #UIC-149)
Balcron Monument Fed. #31-7J	UT2642-04211 (AREA PERMIT UT2642-00000) (State #UIC-149)
Monument Butte #1-33	State #UIC-151
Monument Butte #1-24	State #UIC-151
Monument Butte #1-13	State #UIC-151
Balcron Monument Fed. #42-1J	State #UIC-151
Getty #12-1	State #UIC-151
Balcron Monument Fed. #41-15	State #UIC-152
Balcron Monument Fed. #32-15	State #UIC-152
Balcron Monument Fed. #23-15	State #UIC-152
Balcron Monument Fed. #41-14J	State #UIC-152
Balcron Monument Fed. #21-14J	State #UIC-152
Balcron Monument Fed. #32-12J	State #UIC-152
C & O Gov't #4	State #UIC-152
Balcron Monument Fed. #14-12J	State #UIC-152
Balcron Monument Fed. #12-12J	State #UIC-152
Balcron Monument Fed. #43-11J	State #UIC-152
Balcron Monument Fed. #32-11	State #UIC-152



EQUITABLE RESOURCES
ENERGY COMPANY

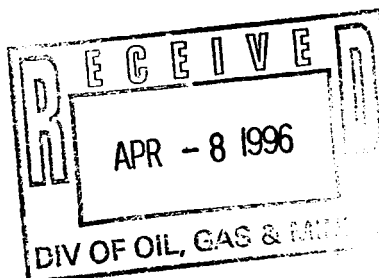
BALCRON OIL DIVISION

1601 Lewis Avenue
Billings, MT 59102

Office: (406) 259-7860
FAX: (406) 245-1365 ☐
FAX: (406) 245-1361 ☒

March 22, 1996

Utah Division of Oil, Gas and Mining
355 West North Temple
Salt Lake City, UT 84180



Gentlemen:

Effective April 1, 1996, our name will change from Equitable Resources Energy Company, Balcron Oil Division to Equitable Resources Energy Company. Attached is a sundry notice reflecting that change. To simplify paperwork, I have done one sundry notice with copies for each of the wells. To this letter I have attached a list of our wells for your ease in filing the sundry notices in the well files. This should be sufficient for your purposes.

I have the listings on a spreadsheet so if it would be easier for you to have them sorted differently (for example, the Montana Board of Oil and Gas prefers them sorted by API number), please give me a call at (406) 259-7860, extension 240 and I would be glad to provide a list to your specifications.

This change affects only our company name. The physical locations of our offices and the personnel remain the same. We will be changing our well signs and ask for your patience and cooperation as this will be done as soon as possible but may take some time since we do have so many properties at which to make the change.

If you have any questions, please do not hesitate to give me a call.

Sincerely,

Bobbie Schuman

Bobbie Schuman
Regulatory and
Environmental Specialist

/hs

Enclosures

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: See attached listing

2. Name of Operator:
Equitable Resources Energy Company, Balcron Oil Division

3. Address and Telephone Number:
1601 Lewis Avenue Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well
Footages: See attached listing

QQ, Sec., T., R., M.:

5. Lease Designation and Serial Number:
See attached listing

6. If Indian, Allottee or Tribe Name:
n/a

7. Unit Agreement Name:
See attached listing

8. Well Name and Number:
See attached listing

9. API Well Number:
See attached listing

10. Field and Pool, or Wildcat:
See attached listing

County: See attached list

State: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Operator name change</u> | |

Date of work completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective April 1, 1996, operator will change its name from Equitable Resources Energy Company, Balcron Oil Division TO: Equitable Resources Energy Company. Physical location of the operator remains as: 1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860, FAX: (406) 145-1361. This is to report the operator name change only. It affects the wells on the attached listing.

13.

Name & Signature: Bobbie Schuman
Bobbie Schuman

Regulatory and

Title: Environmental Specialist Date: March 27, 1996

(This space for State use only)

UTAH

Balcron Monument Fed. #32-1J	Monument Butte	SW NE	1	9S	16E	Duchesne	UT	Oil	Green River	U-33992	43-013-31414	2143' FNL, 1987' FEL	Vernal	Jonah
Balcron Monument Fed. #32-25	Undesignated	SW NE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32524	1980' FNL, 1980' FEL	Vernal	
Balcron Monument Fed. #33-11J	Monument Butte	NW SE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-31451	1971' FSL, 2032' FEL	Vernal	Jonah
Balcron Monument Fed. #33-25	Undesignated	NW SE	25	8S	17E	Uintah	UT	Oil	Green River	U-67845	43-047-32525	2097' FSL, 2067' FEL	Vernal	
Balcron Monument Fed. #33-6	Monument Butte	NW SE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A	43-013-31361	1832' FSL, 1829' FEL	Vernal	Jonah
Balcron Monument Fed. #33-8	Monument Butte	NW SE	8	9S	17E	Duchesne	UT	Oil	Green River	UTU-74108	43-013-31427	1980' FSL, 1980' FEL	Vernal	Beluga
Balcron Monument Fed. #34-10J	Monument Butte	SW SE	10	9S	16E	Duchesne	UT	WW	Green River	U-017985	43-013-31416	592' FSL, 1979' FEL	Vernal	Jonah
Balcron Monument Fed. #34-25	Undesignated	SW SE	25	8S	17E	Uintah	UT	PND	Green River	U-67845		800' FSL, 2100' FEL	Vernal	
Balcron Monument Fed. #34-7	Monument Butte	SW SE	7	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31426	810' FSL, 1736' FEL	Vernal	
Balcron Monument Fed. #41-12J	Monument Butte	NE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-44426		395' FNL, 476' FEL	Vernal	Jonah
Balcron Monument Fed. #41-14J	Monument Butte	NE NE	14	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31408	363' FNL, 600' FEL	Vernal	Jonah
Balcron Monument Fed. #41-15	Monument Butte	NE NE	15	9S	16E	Duchesne	UT	WW	Green River	U-017985	43-013-31367	460' FNL, 500' FEL	Vernal	Jonah
Balcron Monument Fed. #41-17	Monument Butte	NE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31466	660' FNL, 660' FEL	Vernal	Beluga
Balcron Monument Fed. #41-26	Monument Butte	NE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845	43-047-32456	660' FNL, 500' FEL	Vernal	
Balcron Monument Fed. #42-11J	Monument Butte	SE NE	11	9S	16E	Duchesne	UT	Oil	Green River	U-096550	43-013-30066	1992' FNL, 496' FEL	Vernal	Jonah
Balcron Monument Fed. #42-12J	Monument Butte	SE NE	12	9S	16E	Duchesne	UT	Oil	Green River	U-035521	43-013-31486	2550' FNL, 391' FEL	Vernal	Jonah
Balcron Monument Fed. #42-14J	Monument Butte	SE NE	14	9S	16E	Duchesne	UT	PND	Green River	U-096550	43-013-21491	1882' FNL, 773' FEL	Vernal	Jonah
Balcron Monument Fed. #42-17	Monument Butte	SE NE	17	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31467	1800' FNL, 700' FEL	Vernal	Beluga
Balcron Monument Fed. #42-18	Monument Butte	SE NE	18	9S	17E	Duchesne	UT	PND	Green River	UTU-72106	43-013-31433	1800' FNL, 800' FEL	Vernal	
Balcron Monument Fed. #42-1J	Monument Butte	SE NE	1	9S	16E	Duchesne	UT	WW	Green River	U-40652	43-013-31404	2087' FNL, 692' FEL	Vernal	Jonah
Balcron Monument Fed. #42-26	Undesignated	SE NE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		2100' FNL, 660' FEL	Vernal	
Balcron Monument Fed. #42-6	Monument Butte	SE NE	6	9S	17E	Duchesne	UT	WW	Green River	U-020252-A	43-013-31364	1806' FNL, 921' FEL	Vernal	Jonah
Balcron Monument Fed. #43-11J	Monument Butte	NE SE	11	9S	16E	Duchesne	UT	WW	Green River	U-096550	43-013-31002	2127' FSL, 693' FEL	Vernal	Jonah
Balcron Monument Fed. #43-26	Undesignated	NE SE	26	8S	17E	Uintah	UT	PND	Green River	U-67845		1880' FSL, 379' FEL	Vernal	
Balcron Monument Fed. #43-7	Monument Butte	NE SE	7	9S	17E	Duchesne	UT	Oil	Green River	UTU-72106	43-013-31432	1850' FSL, 850' FEL	Vernal	Beluga
Balcron Monument Fed. #44-1J	Monument Butte	SE SE	1	9S	16E	Duchesne	UT	WW	Green River	U-44426	43-013-31415	338' FSL, 859' FEL	Vernal	Jonah
Balcron Monument State #12-2	Undesignated	SW NW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31481	1980' FNL, 660' FWL		
Balcron Monument State #13-2	Undesignated	NW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31482	2210' FSL, 604' FWL		
Balcron Monument State #14-2	Undesignated	SW SW	2	9S	17E	Duchesne	UT	Oil	Green River	ML-45555	43-013-31425	513' FSL, 787' FWL		
Balcron Monument State #21-2-9-17	Undesignated	NE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32703	821' FNL, 2187' FWL		
Balcron Monument State #22-2	Undesignated	SE NW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32610	1980' FNL, 1980' FWL		
Balcron Monument State #23-2	Undesignated	NE SW	2	9S	17E	Uintah	UT	WSW	Green River	ML-45555	43-047-32613	1980' FSL, 1980' FWL		
Balcron Monument State #24-2	Undesignated	SE SW	2	9S	17E	Uintah	UT	Oil	Green River	ML-45555	43-047-32612	660' FSL, 1980' FWL		
Balcron Monument State #32-2	Undesignated	SW NE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32609	1980' FNL, 1980' FEL		
Balcron Monument State #34-2	Undesignated	SW SE	2	9S	17E	Uintah	UT	PND	Green River	ML-45555	43-047-32611	800' FSL, 1980' FEL		

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

Routing:

1	LEP 7-SJ
2	DES 58-FILE
3	VLD (GTL) <input checked="" type="checkbox"/>
4	RJE <input checked="" type="checkbox"/>
5	LEP <input checked="" type="checkbox"/>
6	FILM <input checked="" type="checkbox"/>

- ☐ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ~~Operator Name Change Only~~

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 4-1-96)

TO (new operator)	<u>EQUITABLE RESOURCES ENERGY COEROM</u> (former operator)	<u>EQUITABLE RESOURCES ENERGY CO</u>
(address)	<u>1601 LEWIS AVE</u>	(address) <u>BALCRON OIL DIVISION</u>
	<u>BILLINGS MT 59102-4126</u>	<u>1601 LEWIS AVE</u>
		<u>BILLINGS MT 59102-4126</u>
	phone (406) <u>259-7860</u>	phone (406) <u>259-7860</u>
	account no. <u>N9890</u>	account no. <u>N9890</u>

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>D13-31361</u>	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec: _____	Twp: _____	Rng: _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Yes 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). Rec'd 4-4-96 & 4-8-96
- N/A 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form).
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- * 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Yes 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) ~~for each well listed above.~~ (4-10-96)
- Yes 6. Cardex file has been updated for each well listed above. (4-11-96)
- Yes 7. Well file labels have been updated for each well listed above. (4-11-96)
- Yes 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (4-10-96)
- Yes 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

5578314 (\$80,000) Schwa Ins. Co. (Bond Rider In Progress)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
- N/A 3. The former operator has requested a release of liability from their bond (yes/no) . Today's date 19 . If yes, division response was made by letter dated 19 .

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19 , of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 4/26/96 2. Copies of documents have been sent to State Lands for changes involving State leases.
Sent to Ed Bonner - Trust Lands

FILMING

- Yes 1. All attachments to this form have been microfilmed. Date: May 20 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

9/20/10 BLM/BIA "Formal approval not necessary"

STATE OF UTAH
INVENTORY OF INJECTION WELLS

OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-047-32248	1-26B	09S	19E	26	INJG	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	43-013-31384	22-5	09S	16E	5	INJW 17E	Y
EQUITABLE RE	43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	43-013-31410	12-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	43-013-31408	41-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31421	21-14J	09S	16E	14	INJW	N
EQUITABLE RE	43-013-31367	41-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31373	23-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31368	32-15J	09S	16E	15	INJW	N
EQUITABLE RE	43-013-31375	24-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31370	FEDERAL 13-5	09S	17E	5	INJW	Y
EQUITABLE RE	43-013-31195	ALLEN FEDERA	09S	17E	6	INJW	N
EQUITABLE RE	43-013-31405	31-7J	09S	17E	7	INJW	Y
EQUITABLE	43-013-31492	11-7J	9S	17E	7	INJW	N

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

n/a

7. If Unit or CA, Agreement Designation

Jonah Unit

8. Well Name and No.

Balcron Moment Fed. #33-6

9. API Well No.

43-013-31361

10. Field and Pool, or Exploratory Area

Mon. Butte/Green River

11. County or Parish, State

Duchesne County, UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Equitable Resources Energy Company

3. Address and Telephone No.

1601 Lewis Avenue; Billings, MT 59102 (406) 259-7860

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NW SE Section 6, T9S, R17E
1832' FSL, 1829' FEL

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other well rework & MIT

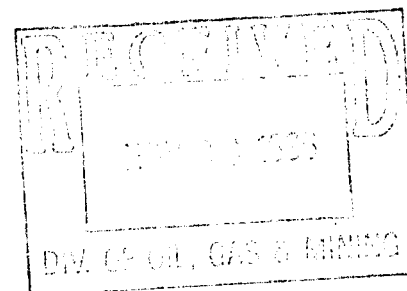
- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached is an EPA Well Rework Form showing work that was done on this well. Also attached is a copy of the Mechanical Integrity Test (MIT) that was run on the well.

ORIGINAL: Bureau of Land Management (Vernal, UT)
COPY: Environmental Protection Agency (Chuck Williams) - by FAX and mail
COPY: Utah Division of Oil, Gas and Mining (Dan Jarvis)



14. I hereby certify that the foregoing is true and correct

Regulatory and
Environmental Specialist

Date November 20, 1996

Signed

Title

(This space for Federal or State office use)

Title

Date

Approved by
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WD tax credit denied - 9/97. *See instruction on Reverse Side



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal District Office

170 South 500 East

Vernal, Utah 84078



IN REPLY REFER TO:

Phone (801) 789-1362

FAX (801) 789-3634

MECHANICAL INTEGRITY PRESSURE TEST CASING/TUBING ANNULUS

Lease No. U-020252-A

Company Name: Equitable Resources Energy Date: 11-19-96

Well Name: Monument Fed 33-6 Permit No. 43-013-31361

Field Name: Monument Butte County: Duchesne

Well Location: NW SE Sec 6 T 9 S R 17 E

Well Type: SWD ER X 2H Other:

Type of Packer: Arrow set-1 Total Depth: 5693' PBTD

Packer Set at (depth): 4583.64 KB FT (Bottom of Tool) 5740' TD

Surface Casing Size: 8 5/8 From: Surface FT to 261 FT

Casing Size: 5 1/2 From: Surface FT to 5740 FT

Tubing Size: 2 7/8 Tubing Pressure during Test: 1500 psig

Time of Day: 1:55 am/pm

Fluid in Annulus: Packer Fluid (Contron-2383)

	Test #1	Test #2
0 Min:	<u>1050</u> psig	<u> </u> psig
5	<u>1040</u> psig	<u> </u> psig
10	<u>1040</u> psig	<u> </u> psig
15	<u>1040</u> psig	<u> </u> psig
20	<u>1040</u> psig	<u> </u> psig
25	<u>1040</u> psig	<u> </u> psig
30	<u>1040</u> psig	<u> </u> psig
35	<u>1040</u> psig	<u> </u> psig
40	<u>1040</u> psig	<u> </u> psig
45	<u>1040</u> psig	<u> </u> psig
50	<u>1040</u> psig	<u> </u> psig
55	<u>1040</u> psig	<u> </u> psig
60	<u>1040</u> psig	<u> </u> psig

Test Conducted by: David W. McFarland

Inspected by: State of Utah (DOGM)

Others Present: Don Farnsworth - REC

STATE OF UTAH
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

INJECTION WELL - PRESSURE TEST

Test Date: <u>11/19/96</u>	Well Owner/Operator: <u>Equitable Resources</u>
Disposal Well: _____	Enhanced Recovery Well: <u>X</u> Other: _____
API No.: 43- <u>013-31361</u>	Well Name/Number: <u>Monument Fed 37-6</u>
Section: <u>6</u>	Township: <u>9S</u> Range: <u>17E</u>

Initial Conditions:

Tubing - Rate: _____ Pressure: 1450 psi
Casing/Tubing Annulus - Pressure: 0 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1050</u>	<u>1450</u>
5	<u>1040</u>	<u>1475</u>
10	<u>1040</u>	<u>1490</u>
15	<u>1040</u>	<u>1495</u>
20	<u>1040</u>	<u>1500</u>
25	<u>1040</u>	<u>1500</u>
30	<u>1040</u>	<u>1500</u>

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 1500 psi
Casing/Tubing Annulus Pressure: 0 psi

REMARKS:

Tried to bleed off tubing before testing. Would
not bleed off below 1450 psi.

[Signature]
Operator Representative

[Signature]
DOG M Witness



WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE

Equitable Resources Energy Company
Western Region
1601 Lewis Avenue
Billings, Mt. 59102

NAME AND ADDRESS OF CONTRACTOR

Basin Well Service
P.O. Box - 2876
Roosevelt, Utah 84066LOCATE WELL AND OUTLINE UNIT ON
SECTION PLAT - 640 ACRES

STATE

Utah

COUNTY

Duchesne County

PERMIT NUMBER

143-013-31361

SURFACE LOCATION DESCRIPTION

NW 1/4 OF SE 1/4 OF SECTION 6 TOWNSHIP 9S RANGE 17E

LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT

Surface

Location 1832 ft. from (N/S) S Line of quarter section

and 1829 ft. from (E/W) E Line of quarter section

WELL ACTIVITY

- ☐
- Brine Disposal
-
- ☒
- Enhanced Recovery
-
- ☐
- Hydrocarbon Storage

Lease Name

Jonah Unit

Total Depth Before Rework

5740' KB

Total Depth After Rework

5740' KB

Date Rework Commenced

11-8-96

Date Rework Completed

11-15-96

TYPE OF PERMIT

- ☐
- Individual
-
- ☒
- Area
-
- Number of Wells _____

Well Number

Balcon Monument
Federal # 33-6

WELL CASING RECORD - BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
(See Attached Diagram)						

WELL CASING RECORD - AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
8 5/8"	267' KB	161	Class-G	None		Pickle hbg & perms w/
5 1/2"	5725' KB	226	Hilift	4658	4666	1500 gals HCl acid
		400	Class-G	4672	4676	without packer (i.e. did
				4814	4824	not pump acid into
						perforations.)

DESCRIBE REWORK OPERATIONS IN DETAIL
USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS. LIST EACH TYPE

DESCRIBE NETWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	Log Types	Logged Intervals
TOOH w/ injection packers, acidize hbg & perfs from 4658'-4824' w/1500 gal 15% HCl acid, swab back load, land single Arrow set-1 packer @ 4576' KB, pump		

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

NAME AND OFFICIAL TITLE (Please type or print)

John Zellitt
Senior Production Engineer

SIGNATURE

DATE SIGNED

11-19-96

BALCRON OIL

WELL NAME: Monument Federal #33-6
 FIELD: Monument Butte
 FEDERAL LEASE NO.: U-020252A
 LOCATION: NW SE Sec.6,T9S,R17E
 COUNTY/STATE: Duchesne County,Utah
 WORKING INTEREST: 0.79942652
 PRODUCING FORMATION: Green River
 COMPLETION DATE: 12-1-92
 INITIAL PRODUCTION: 30 STBOPD, 30 STBWPD
 PRESENT PROD STATUS: Water Injection Well
 Started Water Inj. 1-22-93
 ELEVATIONS - GROUND: 5267'
 TOTAL DEPTH: 5740'KB

SURFACE CASING

STRING: 1
 CSG SIZE: 8 5/8"
 GRADE: K-55
 WEIGHT: 24 lbs.
 LENGTH: 6 jts @ 258'
 DEPTH LANDED: 267'KB
 HOLE SIZE: 12 1/4"
 CEMENT DATA: 161 sx 75% Class - G
 & 25% Litpoz

INJECTION EQUIPMENT & SIZE	LENGTH FT.	SETTING DEPTH (W/11'KB) FT.
1) 150 jts J-55, 2 7/8, J-5	4621.85	11'
2) 2 7/8" SN	1.10'	4632.85'
3) Arrowsnap 2 packer	3.35'	4633.95'
4) 2 7/8 x 2 3/8 x-over	.40'	4637.30'
5) 2 jts j-55 2 7/8 tbg	62.77'	4637.70'
6) KBMM side pckt mndrl	6.35'	4700.47'
7) 2 jts 2 3/8 J-55 tbg	62.30'	4706.82'
8) Arrow Set-1 packer	6.20'	4769.12'
9) 2 jts 2 3/8 J-55 tbg	62.64'	4775.32'
10) KBMM side pckt mndrl	6.35'	4837.96'
11) 1 jt 2 3/8 J-55 tbg	31.60'	4844.31'
12) 2 3/8 X-H Bull Plug	1.50'	4875.91'

INJECTION HORIZONS

Red 1 @ 4658'-4676'KB
 Red 5 @ 4814'-4824'KB

WELL REPORT

DATE: 9-10-93 JZ
 API NO.: 43-013-31361
 NET REVENUE INT.: 0.72981781 Oil
 0.65881769 Gas
 SPUD DATE: 10-24-92
 BHT: 139 Deg.F
 KB: 5278' (11'KB)
 PLUG BACK TD: 5693'KB

PRODUCTION CASING

STRING: 1
 CSG SIZE: 5 1/2"
 GRADE: K-55
 WEIGHT: 15.5#
 LENGTH: 5714'
 DEPTH LANDED: 5725'KB
 HOLE SIZE: 7 7/8"
 CEMENT DATA: 226 sx Lilift &
 400 sx Class - G
 CEMENT TOP AT:

PERFORATIONS

Schlumberger
 4658'-4666' 4 holes
 4672'-4676' 2 holes
 4814'-4824' 6 holes

ACID JOB

4814'-4824' Spot 250 gal 15% HCl Acid, BD @ 2300,
 Avg. 5.5 STBPM @ 1690psig, ISIP @ 740psig.

4658'-4676' Spot 250 gal 15% HCl Acid w/10
 ball sealers, BD @ 4550, 5.5 BPM @ 1800psig,
 Good ball action, ISIP @ 950psig.

FRAC JOB

Frac w/Western on 11-28-92.
 Avg. 32 BPM @ 2900psig, ISIP @ 1850psig,
 5 min @ 1550psig, 10 min @ 1340psig, 15 min
 @ 1020psig.

Before Rework

Balcron Monument Federal #33-6
NW SE Sec. 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Injection Well Completion Diagram

BALCRON O
2-18-94 J

SURFACE CASING

8 5/8", K-55, 24#
Landed @ 260' KB
Cemented w/250 sx, Class-G, 3% CaCl.
Cemented to surface.
Hole Size @ 12 1/4"

PRODUCTION CASING

5 1/2", K-55, 15.5#
Landed @ 5580' KB
Cement Data:
250 sx Hifill w/10#/sx Gilsomite
tailed w/180 sx 50-50 poz w/0.3%
CFR-3, 1/4#/sx Flocele, 0.5% Halad-24
& 10% Salt.
Cemented to surface.
Hole Size @ 7 7/8"

INJECTION EQUIPMENT & SIZE	LENGTH FT.	SETTING DEPTH (W/11'KB) FT.
1) 150 jts J-55 tbgs 2 7/8	4621.85	11'
2) 2 7/8" pump SN	1.10'	4632.85'
3) Arrowsnap 2 packer	3.35'	4633.95'
4) 2 7/8 x 2 3/8 x-over	.40'	4637.30'
5) 2 jts j-55 2 7/8 tbgs	62.77'	4637.70'
6) KBMM side pckt mndrl	6.35'	4700.47'
7) 2 jts 2 3/8 j-55 tbgs	62.30'	4706.82'
8) 5 1/2x2 3/8 Arrowset 1	6.20'	4769.12'
9) 2 jts 2 3/8 j-55 tbgs	62.64'	4775.32'
10) KBMM side pckt mndrl	6.35'	4837.96'
11) 1 jt 2 3/8 j-55 tbgs	31.60'	4844.31'
12) 2 3/8 X-H Bull Plug	1.50'	4875.91'

INJECTION HORIZONS

Red 1 @ 4658'-4676' KB
Red 5 @ 4814'-4824' KB

- Uintah Formation Surface to 1400 ft.

PERFORATIONS

Schlumberger
4658'-4666' 4 holes
4672'-4676' 2 holes
4814'-4824' 6 holes

- Green River Formation 1400 to 4100 ft.

- Arrow Packers Set @ 4637' & 4775' KB.

- Douglas Creek Member 4100 to 5350 ft.
- Wasatch Fm. Transition 5350 to 6000 ft.

PBTD @ 5693' KB
TD @ 5740' KB

- Wasatch Formation 6000 ft.

Before Rework

Balcron Monument Federal #33-6
NW SE Sec. 6, T9S, R17E
Lease No. U-020252A
Monument Butte Field
Duchesne County, Utah
Jonah Unit

Injection Well Completion Diagram

SURFACE CASING

8 5/8", K-55, 24#
Landed @ 260' KB
Cemented w/ 250 sx, Class-G, 3% CaCl.
Cemented to surface.
Hole Size @ 12 1/4"

260' KB

PRODUCTION CASING

5 1/2", K-55, 15.5#
Landed @ 5580' KB
Cement Data:
250 sx Hifill w/ 10#/sx Gilsontite
tailed w/ 180 sx 50-50 poz w/ 0.3%
CFR-3, 1/4#/sx Flocele, 0.5% Halad-24
& 10% Salt.
Cemented to surface.
Hole Size @ 7 7/8"

- Uintah Formation Surface t

INJECTION

EQUIPMENT & SIZE	LENGTH	SETTIG DEPTH
11' KB		
2-7/8" 8rd EUE TBG	148 Jts	4574.78' KB
2-7/8" Seating Nipple	2-7/8"x1.10'	4575.88' KB
2-3/8"x2-7/8" Cross Over	0.36'	4576.24' KB (Top of PKR)
Arrow Set-1 PKR	7.40'	4583.64' KB (Bottom of PKR)

RE-WORK PROCEDURE: POOH w/ injection PKR's and injection mandrels. TIH w/ casing scraper. POOH w/ bit & scraper & TIH with PKR. Acidize tbg and perforations w/ 1500 gal 15% HCL. Swab back load & POOH w/ PKR. TIH with Arrow Set-1 packer & set @ 4576' KB.

PACKER FLUID: 55 gal Champion Cortron 2383 PKR fluid. mixed w/ 60 bbl 2% KCL water.

MIT RECORD:

PERFORATIONS

Schlumberger
4658'-4666' 4 hole
4672'-4676' 2 hole
4814'-4824' 6 hole

- Green River Formation 1400

Arrow Set-1 Packer set @
4576' KB

4658'-4666'

4672'-4676'

4814'-4824'

- Douglas Creek Member 410
- Wasatch Fm. Transition 535

PBTD @ 5693' KB
TD @ 5740' KB

- Wasatch Formation 6000 ft.

After Rework

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☒ GAS ☐ OTHER:

2. Name of Operator:

Inland Production Company

3. Address and Telephone Number:

475 - 17th Street, Suite 1500, Denver, CO 80202

4. Location of Well

Footages: See Attached Exhibit

OO, Sec., T., R., M.:

5. Lease Designation and Serial Number:

See Attached

6. If Indian, Allottee or Tribe Name:

n/a

7. Unit Agreement Name:

See Attached

8. Well Name and Number:

See Attached

9. API Well Number:

See Attached

10. Field and Pool, or Wildcat:

See Attached

County:

State:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandon | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recomplete |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Approximate date work will start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|---|---|
| <input type="checkbox"/> Abandon * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Repair Casing | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Reperforate |
| <input type="checkbox"/> Convert to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat or Acidize | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Other <u>Change of Operator</u> | |

Date of work completion 9-30-97

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective September 30, 1997, Inland Production Company will take over operations of the wells on the attached list. The previous operator was :

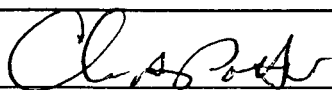
Equitable Resources Energy Company
1601 Lewis Avenue
Billings, MT 59102

Effective September 30, 1997, Inland Production Company is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under State of Utah Statewide Bond No. 4471291.

OCT 16 1997

13.

Name & Signature:



CHRIS A. POTTER, ATTORNEY-IN-FACT

Date: 9/30/97

This space for State use only)

RECEIVED

OCT 10 1997

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

RECEIVED

OCT 13 1997

Well name and number: <u>See Attached</u> **JONAH (GREEN RIVER) UNIT	
Field or Unit name: <u>See Attached</u>	API no. <u>See Attached</u>
Well location: QQ <u>See Attached</u> section <u>See Attached</u> township <u>See Attached</u> range <u>See Attached</u> county <u>See Attached</u>	
Effective Date of Transfer: <u>September 30, 1997</u>	
CURRENT OPERATOR	
Transfer approved by:	
Name <u>David M. McCoskery</u>	Company <u>Equitable Resources Energy Co.</u>
Signature <u>[Signature]</u>	Address <u>1601 Lewis Avenue</u>
Title <u>Director of Operations & Engineering</u>	<u>Billings, MT 59102</u>
Date <u>9-30-97</u>	Phone <u>(406) 259-7860</u>
Comments:	
NEW OPERATOR	
Transfer approved by:	
Name <u>Chris A Potter</u>	Company <u>Inland Production Company</u>
Signature <u>[Signature]</u>	Address <u>475 - 17th Street, Suite 1500</u>
Title <u>CHRIS A. POTTER, ATTORNEY-IN-FACT</u>	<u>Denver, CO 80202</u>
Date <u>9-30-97</u>	Phone <u>(303) 292-0900</u>
Comments:	
(State use only)	
Transfer approved by <u>[Signature]</u>	Title <u>Equi. Mgr.</u>
Approval Date <u>1-20-98</u>	<u>CAUSE # 228-2</u>

OCT 25 1997
DIV. OF OIL & GAS

Injection wells

Injection Wells for Inland Change of Operator							
WELL NAME	LOCATION	COUNTY	ST	FIELD NAME	API NUMBER	LEASE NO.	AGREEMENT NO.
✓ AMERADA GUINAND #1	SWNW 7 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20245-00	UTU016271V	UTU72085A
✓ COYOTE BASIN #42-6X	SENE 6 8S 25E	UINTA	UT	COYOTE BASIN	43-047-32346-00	UTU017439B	UTU72085A
✓ EAST RED WASH FED. #4-6	SWSE 6 8S 25E	UINTAH	UT	COYOTE BASIN	43-047-20261-00	UTU020309D	UTU72085A
✓ EAST RED WASH #2-5	NWNW 5 8S 25E	UINTA	UT	COYOTE BASIN	43-047-20252-00	UTU063597A	UTU72085A
✓ ALLEN FEDERAL #1	SESE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-15779-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #13-6	NWSW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30918-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #22-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30919-00	UTU020252A	UTU72086A
✓ ALLEN FEDERAL #31-6	LOT2 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31195-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #11-6	NWNW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31362-00	UTU020252A	UTU72086A
✓ MONUMENT FEDERAL #11-7J	NW NW 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31492-00	UTU44426	UTU72086A
✓ MONUMENT BUTTE #13-5	NWSW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31370-00		UTU72086A
✓ MONUMENT BUTTE #22-5	SENE 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31384-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE #24-5	SESW 5 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31375-00	UTU020252	UTU72086A
✓ MONUMENT BUTTE FED. #24-6	SESW 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31363-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE #31-7	NWNE 7 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31405-00	UTU72106	UTU72086A
✓ MONUMENT BUTTE FED. #33-6	NWSE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31361-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #42-6	SENE 6 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31364-00	UTU020252A	UTU72086A
✓ MONUMENT BUTTE FED. #12-11	SWNW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31417-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #14-11	SWSW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31374-00	UTU096547	UTU72086A
✓ MONUMENT BUTTE #12-12	SWNW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31410-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #14-12	SWSW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31411-00		UTU72086A
✓ MONUMENT BUTTE #21-14	NENW 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31421-00		UTU72086A
✓ MONUMENT BUTTE #23-11	NESW 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31369-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #23-15	NESW 15 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31373-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE #32-11	SWNE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31386-00		UTU72086A
✓ MONUMENT BUTTE #32-12	SWNE 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31419-00		UTU72086A
✓ MONUMENT BUTTE #41-14	NENE 14 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31408-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE #43-11	NESE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31002-00	UTU096550	UTU72086A
✓ MONUMENT BUTTE FED. #32-15	SWNE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31368-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #34-10	SWSE 10 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31416-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #41-15	NENE 15 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31367-00	UTU017985	UTU72086A
✓ MONUMENT BUTTE FED. #42-1	SENE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31404-00	UTU40652	UTU72086A
✓ MONUMENT BUTTE FED. #44-1J	SESE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31415-00	UTU44426	UTU72086A
✓ C&O GOV'T #4	NESW 12 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30742-00	UTU035521A	UTU72086A
✓ MONUMENT BUTTE FED. #1-13	NWSW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30702-00	UTU18399	UTU72086A
✓ MONUMENT BUTTE FED. #1-33	NWSE 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30735-00	UTU52013	UTU72086A
✓ MONUMENT BUTTE #1-24	SESW 1 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-30701-00	UTU18399	UTU72086A
✓ WALTON FEDERAL #34-11	SWSE 11 9S 16E	DUCHESNE	UT	MONUMENT BUTTE (J)	43-013-31003-00	UTU096550	UTU72086A
✓ MONUMENT STATE #11-2-9-17CD	NW NW 2 9S 17E	DUCHESNE	UT	MONUMENT BUTTE (CD)	43-013-42685	ML 45555	

11422

11426

11438

11431



EQUITABLE RESOURCES ENERGY COMPANY

WESTERN REGION**(406) 259-7860 Telephone****(406) 245-1361 Fax**

December 10, 1997

Lisha
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Dear Lisha:

RE: Equitable Sale of Utah Properties

Effective September 30, 1997, Equitable Resources Energy Company sold all of its Utah properties to Inland Production Company.

Please feel free to contact me if you require additional information.

Sincerely,

Molly Conrad
Agent for Equitable Resources
Energy Company

/mc



Crazy Mountain Oil & Gas Services
P.O. Box 577
Laurel, MT 59044
(406) 628-4164
(406) 628-4165

TO: Lisha
St of Utah.

FROM. Molly Conrad
Crazy Mountain Oil & Gas Services
(406) 628-4164

Pages Attached - Including Cover Sheet 2.

NOTE:

Here is the letter you requested.
Call if you need anything
further.



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

107-575-1
JAN 14 1998
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO
UT-931

January 13, 1998

Inland Production Company
475 17th Street, Suite 1500
Denver, Colorado 80202

Re: Jonah (Green River) Unit
Duchesne County, Utah

Gentlemen:

On January 13, 1998, we received an indenture dated November 17, 1997, whereby Equitable Resources Energy Company resigned as Unit Operator and Inland Production Company was designated as Successor Unit Operator for the Jonah (Green River) Unit, Duchesne County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 13, 1998. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Jonah (Green River) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0056 will be used to cover all operations within the Jonah (Green River) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Jonah (Green River) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-931:TAThompson:tt:1/13/98

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
** INSPECTION ITEM UTU72086A JONAH (GR) SECONDARY RECOVERY UNIT									
UTU72086A	430131511100S1	1	NWSW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578000S1	1	NWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131577900S1	1	SESE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131578900S1	1	SESW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430131579200S1	1	SESE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133070200S1	1-13	NWSW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070300S1	1-14	SWSW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133064600S1	1-23	NESW	1	9S	16E	POW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133070100S1	1-24	SESW	1	9S	16E	WIW	UTU18399	EQUITABLE RESOURCES ENERG
UTU72086A	430133073500S1	1-33	NWSE	1	9S	16E	WIW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073600S1	1-34	SWSE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133073400S1	1-43	NESE	1	9S	16E	POW	UTU52013	EQUITABLE RESOURCES ENERG
UTU72086A	430133136200S1	11-6	L4	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149200S1	11-7J	NWNW	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133088900S1	12-1	NWNE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133141700S1	12-11J	SWNW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141000S1	12-12J	SWNW	12	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133061100S1	12-5	SWNW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058200S1	12-6	SWNW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133149300S1	12-7J	SWNW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430131579000S1	13-11J	NWSW	11	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133137000S1	13-5	NWSW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091800S1	13-6	NWSW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133137400S1	14-11	SWSW	11	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133141100S1	14-12J	SWSW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133138500S1	14-5	SWSW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430131511200S1	2	NWSE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430131579300S1	2	NWNE	14	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133060300S1	2-1	L1	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133140600X1	21-12J	NENW	12	9S	16E	ABD	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133142100S1	21-14J	NENW	14	9S	16E	WIW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133142200X1	21-15J	NENW	15	9S	16E	ABD	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133061200S1	21-5	NENW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133058400S1	21-6	L3	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579600S2	22-12J	SENW	12	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063400S1	22-15	SENW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138400S1	22-5	SENW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133091900S1	22-6	SENW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133136900S1	23-11	NESW	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133137300S1	23-15	NESW	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133138300S1	23-5	NESW	5	9S	17E	POW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133055800S1	23-6	NESW	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140900S1	24-12J	SESW	12	9S	16E	POW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063100S1	24-15	SESW	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133137500S1	24-5	SESW	5	9S	17E	WIW	UTU020252	EQUITABLE RESOURCES ENERG
UTU72086A	430133136300S1	24-6	SESW	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579100S1	3	NWNW	14	9S	16E	POW	UTU096547	EQUITABLE RESOURCES ENERG
UTU72086A	430133061300S1	31-15	NWNE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG

WELL STATUS REPORTS
UTAH STATE OFFICE

INSPECTION ITEM	API NO.	WELL NUMBER	QTQT	SEC	TWN	RNG	WELL STATUS	LEASE NAME	OPERATOR
UTU72086A	430133141300S1	31-1J	L2	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133119500S1	31-6	L2	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133140500S1	31-7J	NWNE	7	9S	17E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133138600S1	32-11	SWNE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133141900S1	32-12J	SWNE	12	9S	16E	WIW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133136800S1	32-15	SWNE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141400S1	32-1J	SWNE	1	9S	16E	POW	UTU33992	EQUITABLE RESOURCES ENERG
UTU72086A	430133055900S1	32-6	SWNE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133145100S1	33-11J	NWSE	11	9S	16E	OSI	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133063200S1	33-15	NWSE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133136100S1	33-6	NWSE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133141600S1	34-10J	SWSE	10	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133100300S1	34-11	SWSE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058600S1	34-6	SWSE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133074200S1	4	NESW	12	9S	16E	WIW	UTU035521A	EQUITABLE RESOURCES ENERG
UTU72086A	430131579500S1	4	SENW	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148700S1	41-12J	NENE	12	9S	16E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133140800S1	41-14J	NENE	14	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133136700S1	41-15	NENE	15	9S	16E	WIW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133058100S1	41-6	NENE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133006600S1	42-11J	SENE	11	9S	16E	POW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133148600S1	42-12J	SENE	12	9S	16E	POW	UTU035521	EQUITABLE RESOURCES ENERG
UTU72086A	430133063300S1	42-15	SENE	15	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133140400S1	42-1J	SENE	1	9S	16E	WIW	UTU40652	EQUITABLE RESOURCES ENERG
UTU72086A	430133136400S1	42-6	SENE	6	9S	17E	WIW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133100200S1	43-11J	NESE	11	9S	16E	WIW	UTU096550	EQUITABLE RESOURCES ENERG
UTU72086A	430133058300S1	43-6	NESE	6	9S	17E	POW	UTU020252A	EQUITABLE RESOURCES ENERG
UTU72086A	430133063000S1	44-10	SESE	10	9S	16E	POW	UTU017985	EQUITABLE RESOURCES ENERG
UTU72086A	430133141500S1	44-1J	SESE	1	9S	16E	WIW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133092600S1	7-A	NENE	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG
UTU72086A	430133096100S1	7-C	NENW	7	9S	17E	POW	UTU44426	EQUITABLE RESOURCES ENERG

EFFECTIVE: JULY 1, 1993

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-IPC	6-4/4/97
2-CLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&G SVS</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

*JONAH (GREEN RIVER) UNIT

Name: **SEE ATTACHED**	API: <u>43-013-31321</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

- See 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). (Rec'd 12-10-97)
- See 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). (Rec'd 10-13-97)
- N/A 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state**? (yes/no) ____ If yes, show company file number: _____
- See 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
- See 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. (1-14-98) * UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98
- See 6. **Cardex** file has been updated for each well listed above.
- See 7. Well **file labels** have been updated for each well listed above.
- See 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (1-14-98)
- See 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-DEC	6-VLD
2-CH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-IRB	

- ☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-30-97

TO: (new operator)	<u>INLAND PRODUCTION COMPANY</u>	FROM: (old operator)	<u>EQUITABLE RESOURCES ENERGY</u>
(address)	<u>PO BOX 1446</u>	(address)	<u>PO BOX 577</u>
	<u>ROOSEVELT UT 84066</u>		<u>LAUREL MT 59044</u>
			<u>C/O CRAZY MTN O&G SVS</u>
Phone:	<u>(801) 722-5103</u>	Phone:	<u>(406) 628-4164</u>
Account no.	<u>N5160</u>	Account no.	<u>N9890</u>

WELL(S) attach additional page if needed:

***JONAH (GREEN RIVER) UNIT**

Name: **SEE ATTACHED**	API: <u>43-013-31301</u>	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____
Name: _____	API: _____	Entity: _____	S _____	T _____	R _____	Lease: _____

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 12-10-97)*
2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-13-97)*
3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company **registered with the state?** (yes/no) ____ If yes, show company file number: ____
4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of **steps 5 through 9** below.
5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(1-14-98) * UIC/Que Hro Pro 1-14-98 & UIC/DBase 1-14-98*
6. **Cardex** file has been updated for each well listed above.
7. Well **file labels** have been updated for each well listed above.
8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(1-14-98)*
9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

STATE OF UTAH
INVENTORY OF INJECTION WELLS

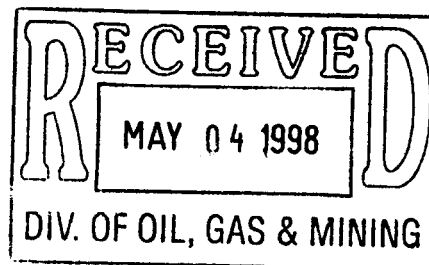
OPERATOR	API NO.	WELL	TNS	RGE	SE	WELLTYPE	INDIAN COUNT
*****	*****	*****	***	***	**	*****	*****
COASTAL OIL	43-013-30337	G. HANSON #2	02S	03W	4	INJD	Y
COASTAL OIL	43-013-30038	2-23B4 LAKE	02S	04W	23	INJD	Y
COASTAL OIL	43-013-30371	L RUSSELL 2-	02S	04W	32	INJD	Y
COASTAL OIL	43-013-30391	EHRICH 2-11B	02S	05W	11	INJD	Y
COASTAL OIL	43-013-30340	LDS CHURCH #	02S	05W	27	INJD	Y
COASTAL OIL	43-047-31996	NBU 159	09S	21E	35	INJD	Y
COCHRANE RES	43-037-30815	3-23	38S	25E	23	INJW	N
COCHRANE RES	43-037-30690	1-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31145	4-25	38S	25E	25	INJW	N
COCHRANE RES	43-037-31761	WDW 1	38S	25E	25	INJD	N
COCHRANE RES	43-037-30762	3-26	38S	25E	26	INJW	N
CROSS CREEK	43-037-16269	SOUTH ISMAY	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20117	NAVAJO A #1	41S	26E	5	INJD	Y
CROSS CREEK	43-037-20164	NAVAJO A #3	41S	26E	5	INJI	Y
ENSERCH EXPL	43-013-31229	FEDERAL 14-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31240	FEDERAL 43-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31269	FEDERAL 34-3	08S	16E	33	INJW	N
ENSERCH EXPL	43-013-31225	FEDERAL 14-3	08S	16E	34	INJW	N
ENSERCH EXPL	43-013-31272	FEDERAL 21-4	09S	16E	4	INJW	N
ENSERCH EXPL	43-013-31205	FEDERAL 41-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30670	FEDERAL 32-5	09S	16E	5	INJW	N
ENSERCH EXPL	43-013-30913	44-5H	09S	17E	5	INJW	N
ENSERCH EXPL	43-013-30678	42-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31457	22-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-30679	31-8H	09S	17E	8	INJW	N
ENSERCH EXPL	43-013-31049	22-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30887	11-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-31108	33-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30682	24-9H	09S	17E	9	INJW	N
ENSERCH EXPL	43-013-30656	13-9H	09S	17E	9	INJW	N
EQUITABLE RE	✓43-013-31364	FEDERAL 42-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31361	FEDERAL 33-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-15779	FEDERAL 1-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31362	FEDERAL 11-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30919	FEDERAL 22-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-31363	FEDERAL 24-6	09S	17E	6	INJW	Y
EQUITABLE RE	✓43-013-30918	FEDERAL 13-6	09S	17E	6	INJW	Y
EQUITABLE RE	43-047-15681	PARIETTE BEN	09S	19E	7	INJD	Y
EQUITABLE RE	✓43-013-30735	FEDERAL 1-33	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30702	FEDERAL 1-13	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-30701	1-24	09S	16E	1	INJW	N
EQUITABLE RE	✓43-013-31404	42-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31415	44-1J	09S	16E	1	INJW	Y
EQUITABLE RE	✓43-013-31416	34-10J	09S	16E	10	INJW	N
EQUITABLE RE	✓43-013-31002	43-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31369	23-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31417	12-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31386	32-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31374	14-11J	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31003	FEDERAL 34-1	09S	16E	11	INJW	N
EQUITABLE RE	✓43-013-31419	32-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-31411	14-12J	09S	16E	12	INJW	N
EQUITABLE RE	✓43-013-30742	GOVT C&O #4	09S	16E	12	INJW	N



43-013-31361

April 30, 1998

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas & Mining
P. O. Box 145801
Salt Lake City, Utah 84114-5801



RE: Mechanical Integrity Test
Monument #33-6
Sec 6-T9S-R17E
Duchesne County, Utah

Dear Mr. Jarvis:

Please find attached, Form 3160-5, Sundry Notice and Report on Wells, for work performed on the above referenced well. Should you have any questions, please contact me at (303) 382-4434.

Sincerely,

Debbie E. Knight
Manager, Regulatory Compliance

cc: Mr. Edwin Forsman, BLM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other **WIW**

2. Name of Operator

INLAND PRODUCTION COMPANY

3. Address and Telephone No.

475 17TH STREET, SUITE 1500, DENVER, COLORADO 80202 (303) 292-0900

4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

1832 FSL 1829 FEL NW/SE Section 6, T09S R17E

5. Lease Designation and Serial No.

U-020252-A

6. If Indian, Allottee or Tribe Name

NA

7. If Unit or CA, Agreement Designation

NA

8. Well Name and No.

MONUMENT 33-6

9. API Well No.

43-013-31361

10. Field and Pool, or Exploratory Area

MONUMENT BUTTE

11. County or Parish, State

DUCHESNE COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

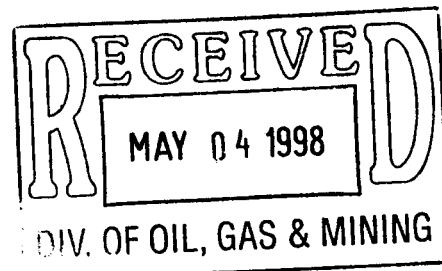
☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other **MIT**

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A mechanical integrity test was performed on the above referenced well on 3-12-98. Casing was pressured to 1000 psi and held for one hour. John Carson w/EPA was notified on 3-11-98. Attached is a copy of the chart.



14. I hereby certify that the foregoing is true and correct

Signed

Debbie Knight

Title

Manager, Regulatory Compliance

Date

4/30/98

(This space for Federal or State office use)

Approved by

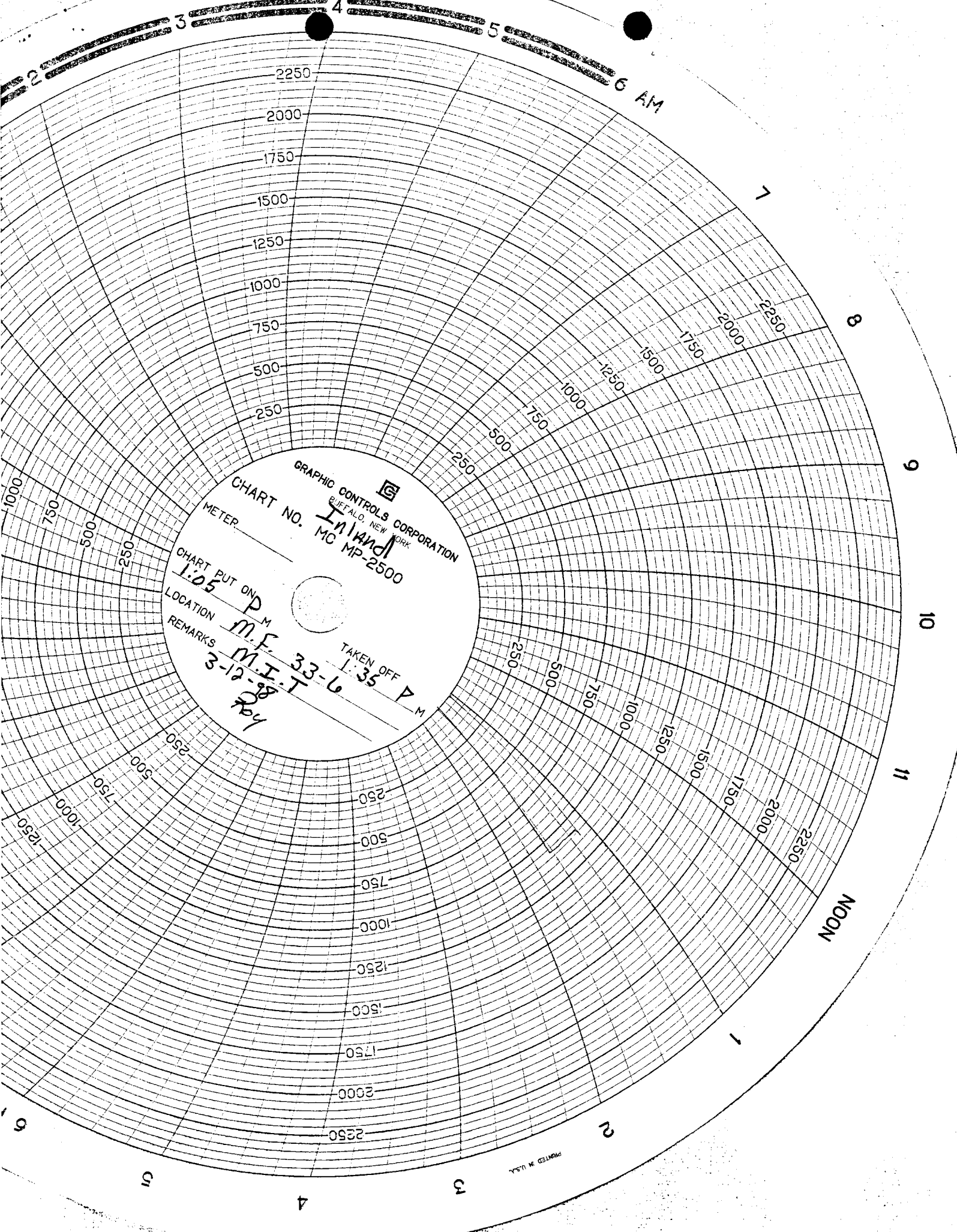
Title

Date

Conditions of approval, if any:

CC: UTAH DOGM

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. *111111*
MC MP-2500

METER _____
CHART PUT ON *1:05* P
LOCATION *M.F.*
REMARKS *M.F. 3-12-6*
TAKEN OFF *1:35* P

PRINTED IN U.S.A.



February 28, 2000

State of Utah
Division of Oil, Gas & Mining
Attn: Dan Jarvis
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Step-Rate Test
Jonah #33-6

Dear Dan:

Please find enclosed Step-Rate Tests (SRT) results on the Jonah #33-6 injection well in the Jonah Unit. Inland Production Company conducted the SRT on February 25, 2000. Due to the results of the SRT Inland is requesting a change in the maximum allowable injection pressure from 2200 psi to 2165 psi for this well.

Thank you for your assistance. If you have any questions or need further information, please call me at (435) 646-3721.

Sincerely,

Brad Mecham
Operations Manager

/bm

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-020252-A

1. **SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBAL NAME

N/A

OIL ☐ GAS ☐
WELL ☐ WELL ☐ OTHER ☒ INJECTION

7. UNIT AGREEMENT NAME

JONAH

2. NAME OF OPERATOR

INLAND PRODUCTION COMPANY

8. FARM OR LEASE NAME

MONUMENT 33-6

3. ADDRESS OF OPERATOR

**ROUTE #3 BOX 3630, MYTON, UTAH 84052
(435) 646-3721**

9. WELL NO.

Federal 33-6

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*

See also space 17 below.)

At surface

NW/SE 1832 FSL 1829 FEL

10. FIELD AND POOL, OR WILDCAT

MONUMENT BUTTE

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

NW/SE Section 6, T09S R17E

14. API NUMBER

43-013-31361

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5268 GR

12. COUNTY OR PARISH

DUCHESNE

13. STATE

UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐ PULL OR ALTER CASING ☐
FRACTURE TREAT ☐ MULTIPLE COMPLETE ☐
SHOOT OR ACIDIZE ☐ ABANDON* ☐
REPAIR WELL ☐
(OTHER) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐ REPAIRING WELL ☐
FRACTURE TREATMENT ☐ ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐ ABANDONMENT* ☐
(OTHER) Step-Rate test ☒

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

On February 25, 2000 Inland Production Company conducted a Step-Rate Test (SRT) on the Jonah #33-6 injection well in the Jonah Unit. Due to the results of the attached SRT Inland is requesting approval to change our Maximum Allowable Injection Pressure from 2200 psi to 2165 psi on this well.

COPY SENT TO OPERATOR
Date: 3-16-00
Initials: CHD

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 3/14/00
By: [Signature]

18 I hereby certify that the foregoing is true and correct

SIGNED

[Signature]

TITLE

Operations Manager

DATE

2/28/00

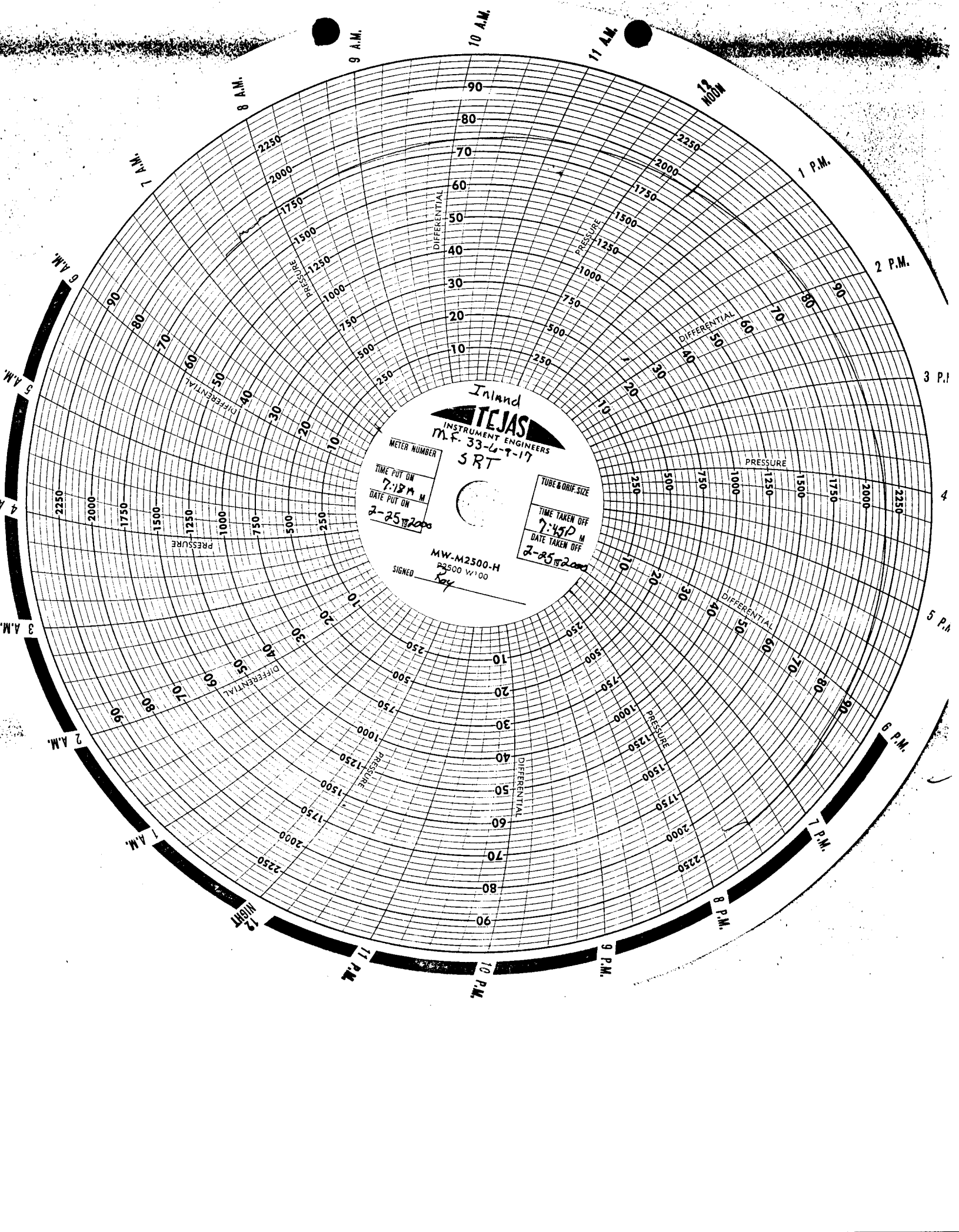
(This space for Federal or State office use)

APPROVED BY

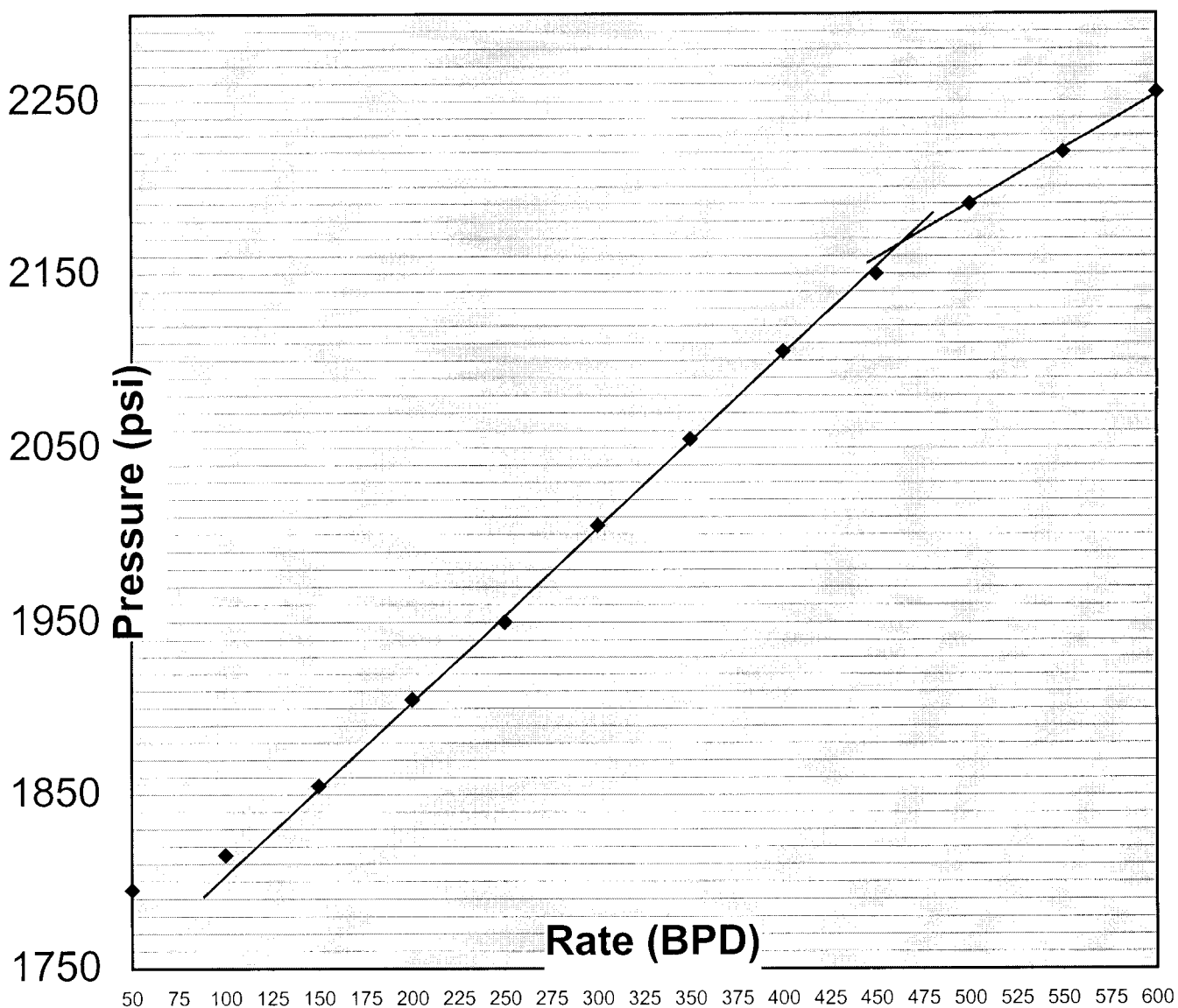
TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:



Jonah 33-6
Step Rate Test
February 25, 2000



ISIP: 2230 psi

Fracture pressure: 2165 psi

FG: 0.900

Step	Rate(bpd)	Pressure(psi)
1	50	1795
2	100	1815
3	150	1855
4	200	1905
5	250	1950
6	300	2005
7	350	2055
8	400	2105
9	450	2150
10	500	2190
11	550	2220
12	600	2255

INJECTION WELL - PRESSURE TEST

Well Name	<u>Bolcan Monted #33-6</u>			API Number	<u>43-013-31361</u>
Qtr/Qtr	<u>NW/SE</u>	Section	<u>6</u>	Township	<u>9S</u> Range <u>17E</u>
Company Name	<u>Inland Production Company</u>				
Lease	State	Fee	Federal	Indian	
Inspector	<u>James L. Hyman</u>			Date	<u>07/05/01</u>

Initial Conditions

Tubing - Rate _____ Pressure 725 psiCasing/Tubing Annulus - Pressure 1050 psi

Conditions During Test

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	<u>1050</u>	<u>725</u>
5	<u>1050</u>	<u>725</u>
10	<u>1050</u>	<u>725</u>
15	<u>1050</u>	<u>725</u>
20	<u>1050</u>	<u>725</u>
25	<u>1050</u>	<u>725</u>
30	<u>1050</u>	<u>725</u>

Results: Pass/Fail

Conditions After Test

Tubing Pressure 725 psiCasing/Tubing Annulus Pressure 1050 psi

COMMENTS Tested because of newly Perforated injection Zoner. Not injecting
During test. Tested @ 11:00 AM & Perforated on Chert.

Ron Shuck
 Operator Representative

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

1. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT--" for such proposals.)		5. LEASE DESIGNATION AND SERIAL NO. U-020252-A	
		6. IF INDIAN, ALLOTTEE OR TRIBAL NAME N/A	
OIL <input type="checkbox"/> GAS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Injection WELL <input type="checkbox"/> WELL <input type="checkbox"/>		7. UNIT AGREEMENT NAME JONAH	
2. NAME OF OPERATOR INLAND PRODUCTION COMPANY		8. FARM OR LEASE NAME MONUMENT 33-6-9-17	
3. ADDRESS OF OPERATOR Rt. 3 Box 3630, Myton Utah 84052 435-646-3721		9. WELL NO. MONUMENT 33-6-9-17	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW/SE Section 6, T09S R17E 1832 FSL 1829 FEL		10. FIELD AND POOL OR WILDCAT MONUMENT BUTTE	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA NW/SE Section 6, T09S R17E	
14. API NUMBER 43-013-31361	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5268 GR	12. COUNTY OR PARISH DUCHESNE	13. STATE UT

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data			
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>	(OTHER) <input checked="" type="checkbox"/> Recompletion	
(OTHER) <input type="checkbox"/>	<input type="checkbox"/>	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The subject injection well was recompleted in the Green River formation. One new Green River interval was perforated, the GB-6 4164' 4188' w/ 4 jspf for a total of 96 shots.

On 7/3/01 Mr. Nathan Wisner w/ EPA was contacted and gave verbal permission to conduct an MIT on the casing. Mr. Dennis Ingram w/ State DOGM was also contacted. On 7/05/01 the casing was pressured to 1050 psi w/ no pressure loss charted in the 1/2 hour test. Dennis Ingram was there to witness the test. The well is shut in and waiting on permission to inject.

18 I hereby certify that the foregoing is true and correct

SIGNED Krishna Russell TITLE Production Clerk DATE 7/6/01
Krishna Russell

cc: BLM
(This space for Federal or State office use)

APPROVED BY _____ TITLE **Approved by the
Utah Division of
Oil, Gas and Mining** DATE _____

CONDITIONS OF APPROVAL, IF ANY:
07-31-01
CHD

Date: 07-30-01
By: [Signature]

* See Instructions On Reverse Side

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: None Date: 7/5/01
Test conducted by: Ron Shuck
Others present: Mr. Dennis Ingram [Signature]

Well Name: <u>Monument Federal 33-6-9-17</u>	Type: <u>ER</u> SWD	Status: <u>AC</u> TA UC
Field: <u>Tonah</u> # <u>UT 03236-2642</u>		
Location: <u>NW/SE</u> Sec: <u>6</u> T <u>9</u> N <u>(S)</u> R <u>17</u> <u>(E)</u> W County: <u>Duchesne</u> State: <u>UT</u>		
Operator: <u>Inland Production</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure: _____ PSIG	

Is this a regularly scheduled test? [] Yes [X] No
Initial test for permit? [] Yes [X] No
Test after well rework? [X] Yes [] No
Well injecting during test? [] Yes [X] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0/0 psig

MIT DATA TABLE		Test #1	Test #2	Test #3
TUBING		PRESSURE		
Initial Pressure	750	psig	psig	psig
End of test pressure	750	psig	psig	psig
CASING / TUBING		ANNULUS PRESSURE		
11:07 0 minutes	1050	psig	psig	psig
5 minutes	1050	psig	psig	psig
10 minutes	1050	psig	psig	psig
15 minutes	1050	psig	psig	psig
20 minutes	1050	psig	psig	psig
25 minutes	1050	psig	psig	psig
11:37 30 minutes	1050	psig	psig	psig
minutes		psig	psig	psig
minutes		psig	psig	psig
minutes		psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass	<input type="checkbox"/> Fail	<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
			<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? [] Yes [X] No

Mechanical Integrity Test

Additional comments for mechanical integrity test _____

• Inland Production Had This well on Injection and wanted to Add some perforations. The test was after The Rig work. The well is shut-in waiting on approval to Start Injecting again.

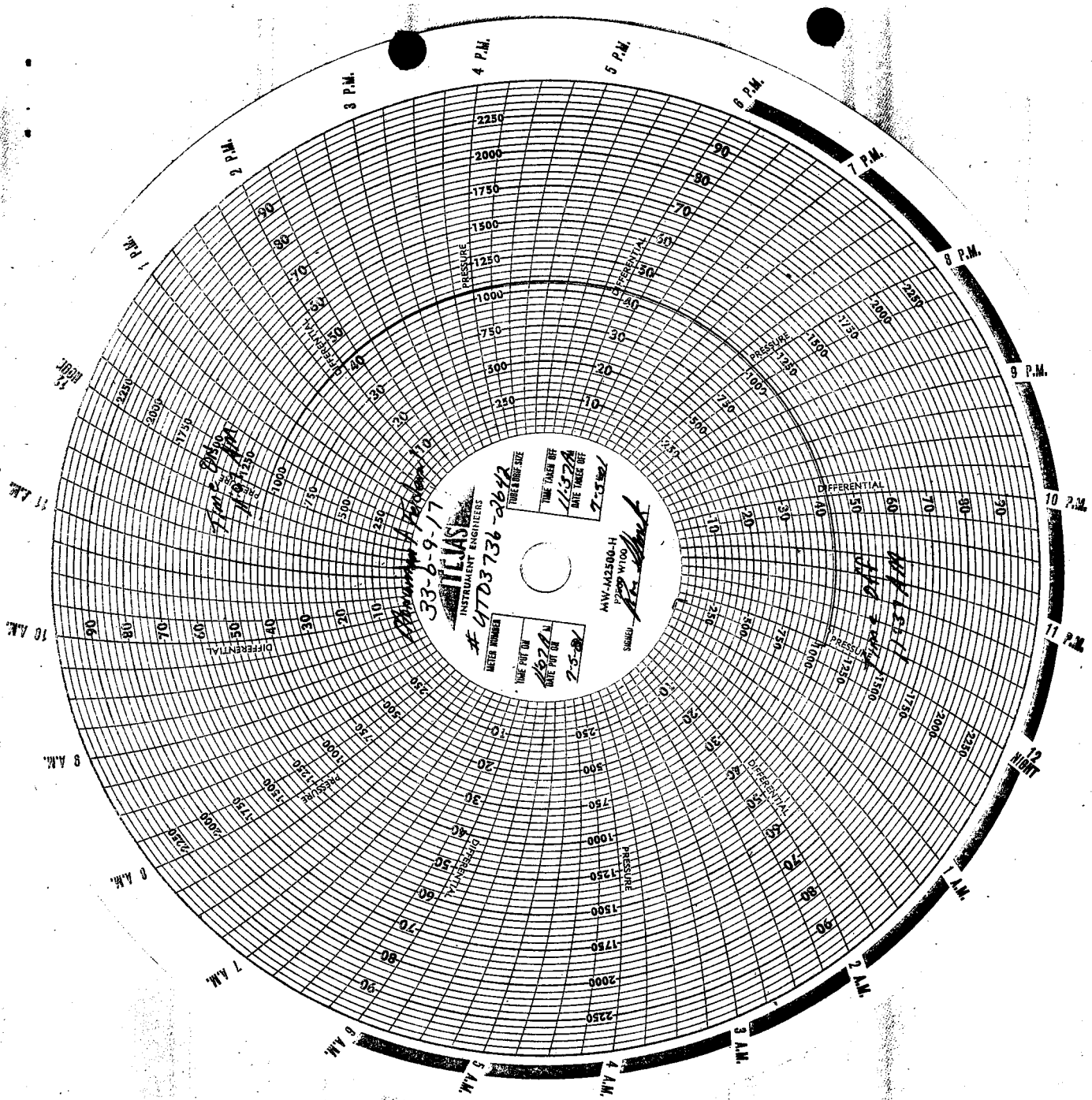
OFFICE USE ONLY - COMPLIANCE FOLLOWUP		Staff	Date
Do you agree that the well passed/failed the test?		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Transfer of ownership?		<input type="checkbox"/> Yes <input type="checkbox"/> No	OLD _____ NEW _____
Change in operating status (computer update)		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Possible violation identified?		<input type="checkbox"/> Yes <input type="checkbox"/> No	
If YES - Followup initiated?		<input type="checkbox"/> Yes	<input type="checkbox"/> No

☐ Data Entry

☐ Compliance Staff

☐ 2nd Data Entry

☐ Hard Copy Filing





Office of the Secretary of State

The undersigned, as Secretary of State of Texas, does hereby certify that the attached is a true and correct copy of each document on file in this office as described below:

Newfield Production Company
Filing Number: 41530400

Articles of Amendment

September 02, 2004

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on September 10, 2004.



A handwritten signature in black ink, appearing to read "G. Connor".

Secretary of State

ARTICLES OF AMENDMENT
TO THE
ARTICLES OF INCORPORATION
OF
INLAND PRODUCTION COMPANY

FILED
In the Office of the
Secretary of State of Texas
SEP 02 2004
Corporations Section

Pursuant to the provisions of Article 4.04 of the Texas Business Corporation Act (the "TBCA"), the undersigned corporation adopts the following articles of amendment to the articles of incorporation:

ARTICLE 1 – Name

The name of the corporation is Inland Production Company.

ARTICLE 2 – Amended Name

The following amendment to the Articles of Incorporation was approved by the Board of Directors and adopted by the shareholders of the corporation on August 27, 2004.

The amendment alters or changes Article One of the Articles of Incorporation to change the name of the corporation so that, as amended, Article One shall read in its entirety as follows:

"ARTICLE ONE – The name of the corporation is Newfield Production Company."

ARTICLE 3 – Effective Date of Filing

This document will become effective upon filing.

The holder of all of the shares outstanding and entitled to vote on said amendment has signed a consent in writing pursuant to Article 9.10 of the TBCA, adopting said amendment, and any written notice required has been given.

IN WITNESS WHEREOF, the undersigned corporation has executed these Articles of Amendment as of the 1st day of September, 2004.

INLAND RESOURCES INC.

By: Susan G. Riggs
Susan G. Riggs, Treasurer

UTSL-	15855	61052	73088	76561	
071572A	16535	62848	73089	76787	
065914	16539	63073B	73520A	76808	
	16544	63073D	74108	76813	
	17036	63073E	74805	76954	63073X
	17424	63073O	74806	76956	63098A
	18048	64917	74807	77233	68528A
UTU-	18399	64379	74808	77234	72086A
	19267	64380	74389	77235	72613A
02458	26026A	64381	74390	77337	73520X
03563	30096	64805	74391	77338	74477X
03563A	30103	64806	74392	77339	75023X
04493	31260	64917	74393	77357	76189X
05843	33992	65207	74398	77359	76331X
07978	34173	65210	74399	77365	76788X
09803	34346	65635	74400	77369	77098X
017439B	36442	65967	74404	77370	77107X
017985	36846	65969	74405	77546	77236X
017991	38411	65970	74406	77553	77376X
017992	38428	66184	74411	77554	78560X
018073	38429	66185	74805	78022	79485X
019222	38431	66191	74806	79013	79641X
020252	39713	67168	74826	79014	80207X
020252A	39714	67170	74827	79015	81307X
020254	40026	67208	74835	79016	
020255	40652	67549	74868	79017	
020309D	40894	67586	74869	79831	
022684A	41377	67845	74870	79832	
027345	44210	68105	74872	79833	
034217A	44426	68548	74970	79831	
035521	44430	68618	75036	79834	
035521A	45431	69060	75037	80450	
038797	47171	69061	75038	80915	
058149	49092	69744	75039	81000	
063597A	49430	70821	75075		
075174	49950	72103	75078		
096547	50376	72104	75089		
096550	50385	72105	75090		
	50376	72106	75234		
	50750	72107	75238		
10760	51081	72108	76239		
11385	52013	73086	76240		
13905	52018	73087	76241		
15392	58546	73807	76560		



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov>



IN REPLY REFER TO:
3106
(UT-924)

September 16, 2004

Memorandum

To: Vernal Field Office
From: Acting Chief, Branch of Fluid Minerals
Subject: Merger Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the merger from Inland Production Company into Newfield Production Company on September 2, 2004.

Michael Coulthard
Acting Chief, Branch of
Fluid Minerals

Enclosure

1. State of Texas Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114
Teresa Thompson
Joe Incardine
Connie Seare

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number
Location of Well		Field or Unit Name See Attached List
Footage :	County :	Lease Designation and Number
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 9/1/2004

CURRENT OPERATOR

Company: Inland Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: (303) 893-0102
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

NEW OPERATOR

Company: Newfield Production Company
Address: 1401 17th Street Suite 1000
city Denver state Co zip 80202
Phone: _____
Comments:

Name: Brian Harris
Signature: *Brian Harris*
Title: Engineering Tech.
Date: 9/15/2004

(This space for State use only)

Transfer approved by: *A. Hunt*Title: *Perk. Services Manager*Approval Date: *9-20-04*Comments: *Note: Indian Country wells will require EPA approval.*RECEIVED
SEP 20 2004

DIV. OF OIL, GAS & MINING

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW

3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change**Merger**

The operator of the well(s) listed below has changed, effective:

9/1/2004**FROM: (Old Operator):**

N5160-Inland Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

TO: (New Operator):

N2695-Newfield Production Company

Route 3 Box 3630

Myton, UT 84052

Phone: 1-(435) 646-3721

CA No.**Unit:****JONAH (GREEN RIVER)****WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
MON FED 42-1J	01	090S	160E	4301331404	11492	Federal	WI	A
MON FED 43-11J	11	090S	160E	4301331002	11492	Federal	WI	A
WALTON FED 34-11	11	090S	160E	4301331003	11492	Federal	WI	A
MON FED 23-11J	11	090S	160E	4301331369	11492	Federal	WI	A
MON FED 14-11J	11	090S	160E	4301331374	11492	Federal	WI	A
MON FED 32-11J	11	090S	160E	4301331386	11492	Federal	WI	A
MON FED 41-15	15	090S	160E	4301331367	11492	Federal	WI	A
MON FED 32-15J	15	090S	160E	4301331368	11492	Federal	WI	A
MON FED 23-15	15	090S	160E	4301331373	11492	Federal	WI	A
MON FED 13-5	05	090S	170E	4301331370	11492	Federal	WI	A
MON FED 24-5	05	090S	170E	4301331375	11492	Federal	WI	A
MONUMENT FED 23-5J	05	090S	170E	4301331383	11492	Federal	OW	P
MON FED 22-5	05	090S	170E	4301331384	11492	Federal	WI	A
MONUMENT FED 14-5	05	090S	170E	4301331385	11492	Federal	OW	P
ALLEN FED 31-6	06	090S	170E	4301331195	11492	Federal	WI	A
MONUMENT 33-6	06	090S	170E	4301331361	11492	Federal	WI	A
MON FED 11-6	06	090S	170E	4301331362	11492	Federal	WI	A
MON FED 24-6	06	090S	170E	4301331363	11492	Federal	WI	A
MON FED 42-6	06	090S	170E	4301331364	11492	Federal	WI	A
GETTY 7C	07	090S	170E	4301330961	11492	Federal	OW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/15/20042. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/15/20043. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 2/23/20054. Is the new operator registered in the State of Utah: YES Business Number: 755627-01435. If **NO**, the operator was contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
6b. Inspections of LA PA state/fee well sites complete on: waived

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM BIA

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: na/

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/23/2005

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2005
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2005
3. Bond information entered in RBDMS on: 2/28/2005
4. Fee/State wells attached to bond in RBDMS on: 2/28/2005
5. Injection Projects to new operator in RBDMS on: 2/28/2005
6. Receipt of Acceptance of Drilling Procedures for APD/New on: waived

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT 0056

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 61BSBDH2912

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 61BSBDH2919
2. The **FORMER** operator has requested a release of liability from their bond on: n/a*
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

*Bond rider changed operator name from Inland Production Company to Newfield Production Company - received 2/23/05

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU020252A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER ☐ Injection well

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
JONAH UNIT

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

8. WELL NAME and NUMBER:
MONUMENT 33-6

3. ADDRESS OF OPERATOR:
Route 3 Box 3630 CITY Myton STATE UT ZIP 84052 PHONE NUMBER 435.646.3721

9. API NUMBER:
4301331361

4. LOCATION OF WELL:

FOOTAGES AT SURFACE: 1832 FSL 1829 FEL

10. FIELD AND POOL, OR WILDCAT:
Monument Butte

COUNTY: Duchesne

OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NW/SE, 6, T9S, R17E

STATE: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF ACTION SubDate

TYPE OF SUBMISSION	TYPE OF ACTION	TYPE OF ACTION
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will _____	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/STOP) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 06/28/2006	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARITLY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLAIR <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: - 5 Year MIT	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 6/20/06 Nahtan Wiser with the EPA was contacted concerning the 5-year MIT on the above listed well. Permission was given at that time to perform the test on 6/27/06. On 6/27/06 the csg was pressured up to 1070 psig and charted for 30 minutes with no pressure loss. The well was injecting during the test. The tbg pressure was 2100 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20642-03736 API# 43-013-31361

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Callie Duncan

TITLE Production Clerk

SIGNATURE

Callie Duncan

DATE 06/28/2006

(This space for State use only)

RECEIVED

JUN 29 2006

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 6 / 28 / 2006
Test conducted by: JD Horrocks
Others present: _____

Well Name: <u>Monument Federal 33-6-9-12</u>		Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte / Jamb unit</u>			
Location: <u>NW 1/4</u>	Sec: <u>6</u>	T <u>9</u> N <u>KS</u> R <u>17E</u> / W	County: <u>Duchesne</u> State: <u>UT</u>
Operator: <u>Newfield</u>			
Last MIT: <u> </u> / <u> </u> / <u> </u>		Maximum Allowable Pressure: <u>2120</u> PSIG	

Is this a regularly scheduled test? ☒ Yes ☐ No
Initial test for permit? ☐ Yes ☒ No
Test after well rework? ☐ Yes ☒ No
Well injecting during test? ☒ Yes ☐ No If Yes, rate: 21 bpd

Pre-test casing/tubing annulus pressure: 0 psig

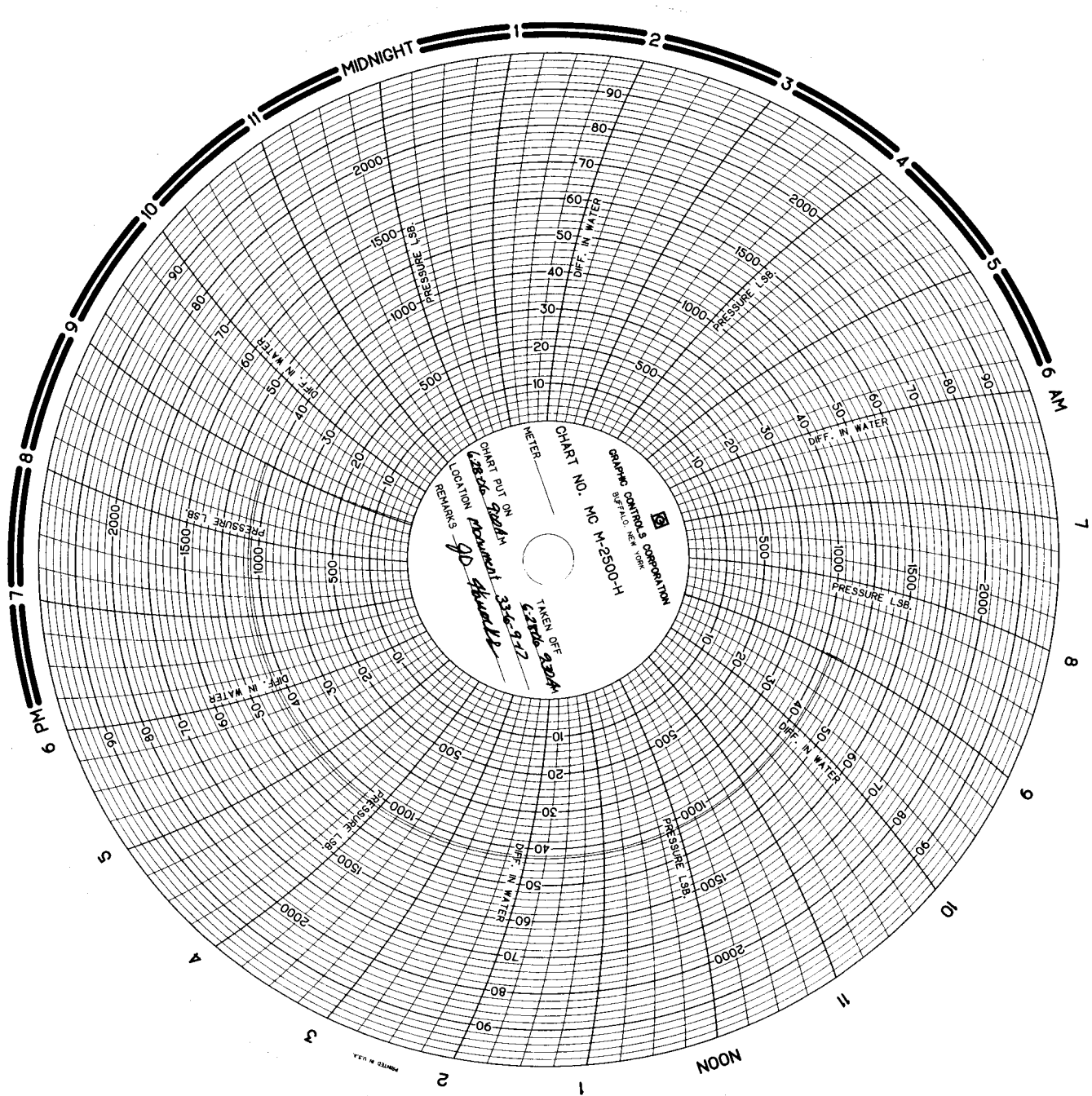
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>2100</u> psig	psig	psig
End of test pressure	<u>2100</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1070</u> psig	psig	psig
5 minutes	<u>1070</u> psig	psig	psig
10 minutes	<u>1070</u> psig	psig	psig
15 minutes	<u>1070</u> psig	psig	psig
20 minutes	<u>1070</u> psig	psig	psig
25 minutes	<u>1070</u> psig	psig	psig
30 minutes	<u>1070</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-020252-A
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: Route 3 Box 3630 CITY Myton STATE UT ZIP 84052		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
4. LOCATION OF WELL: FOOTAGES AT SURFACE: 1832 FSL 1829 FEL		8. WELL NAME and NUMBER: MONUMENT 33-6
OTR/OTR. SECTION. TOWNSHIP. RANGE. MERIDIAN: NWSE, 6, T9S, R17E		9. API NUMBER: 4301331361
		10. FIELD AND POOL, OR WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UT

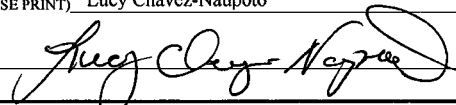
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
11/12/2009	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - Five Year MIT	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 11-11-09 Nathan Wiser with the EPA was contacted concerning the 5 year MIT on the above listed well. Permission was given at that time to perform the test on 11-12-09. On 11-12-09 the casing was pressured up to 1370 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 200 psig during the test. There was not an EPA representative available to witness the test. EPA# UT 20642-03736 API# 43-013-31361

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto	TITLE Production Clerk
SIGNATURE 	DATE 11/12/2009

(This space for State use only)

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NOV 16 2009
DIV. OF OIL, GAS & MINING

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 11 / 12 / 09
Test conducted by: New Field, Joe Pippy
Others present: _____

Well Name: <u>Monument 33-6-9-17</u>	Type: <u>ER SWD</u>	Status: <u>AC TA UC</u>
Field: <u>Monument Butte</u>		
Location: <u>33</u>	Sec: <u>6</u>	T <u>9</u> N <u>10</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>Utah</u>
Operator: <u>New Field, Joe Pippy</u>		
Last MIT: <u> </u> / <u> </u> / <u> </u>	Maximum Allowable Pressure: <u>2120</u> PSIG	

Is this a regularly scheduled test? ☐ Yes ☒ No
Initial test for permit? ☐ Yes ☐ No
Test after well rework? ☒ Yes ☐ No
Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0/200 psig

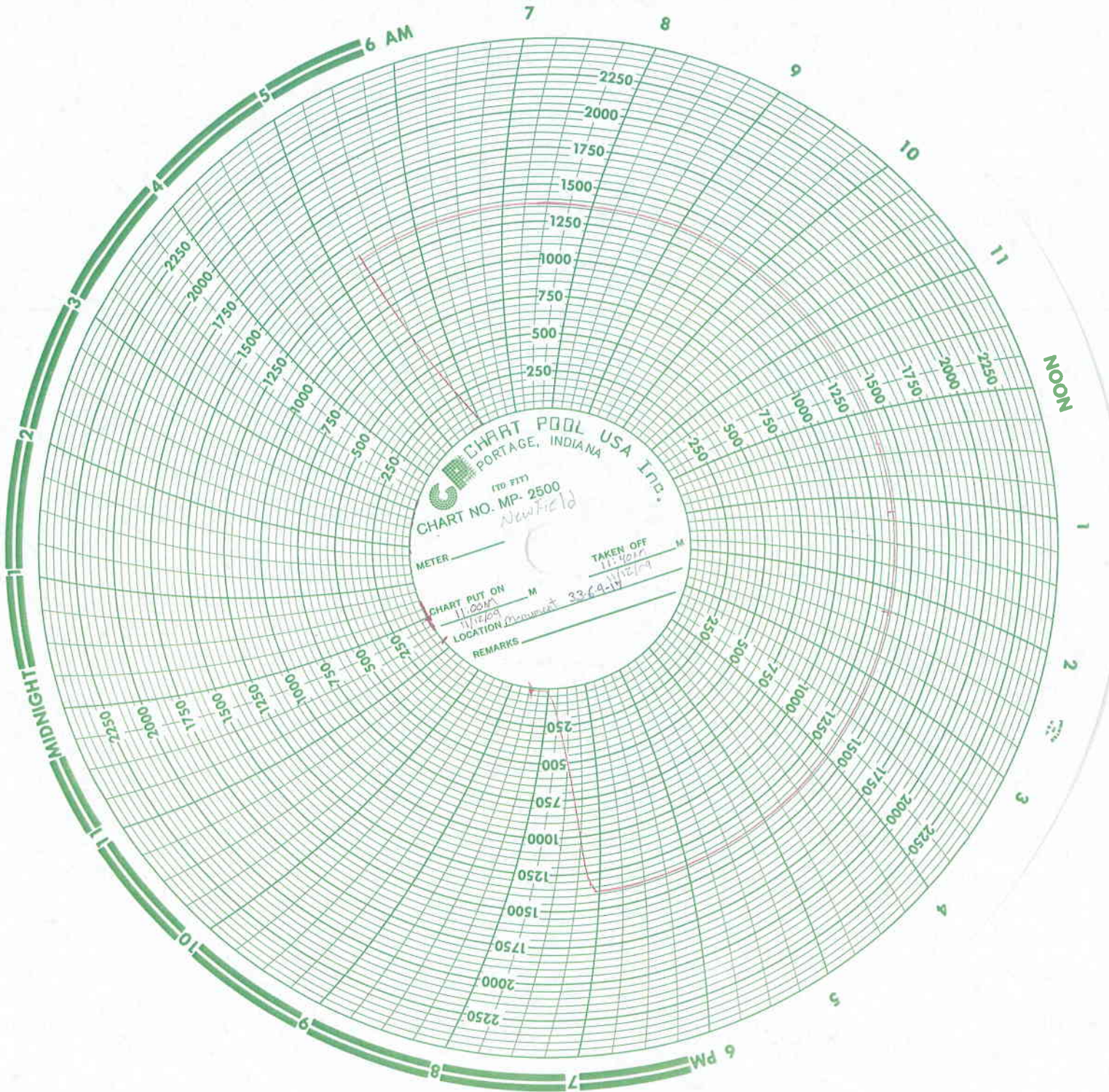
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	1370 psig	psig	psig
End of test pressure	1370 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1370 psig	psig	psig
5 minutes	1370 psig	psig	psig
10 minutes	1370 psig	psig	psig
15 minutes	1370 psig	psig	psig
20 minutes	1370 psig	psig	psig
25 minutes	1370 psig	psig	psig
30 minutes	1370 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL:		OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NUMBER: USA UTU-020252-A
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY				6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR:		PHONE NUMBER		7. UNIT or CA AGREEMENT NAME: JONAH UNIT
Route 3 Box 3630		435.646.3721		8. WELL NAME and NUMBER: MONUMENT 33-6
4. LOCATION OF WELL:		10. FIELD AND POOL, OR WILDCAT:		9. API NUMBER: 4301331361
FOOTAGES AT SURFACE: 1832 FSL 1829 FEL		COUNTY: DUCHESNE		
OTR/OTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE, 6, T9S, R17E		STATE: UT		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will 	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARITLY ABANDON	
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLAIR	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of Work Completion: 11/12/2009	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/STOP)	<input type="checkbox"/> WATER SHUT-OFF	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: - MIT	
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

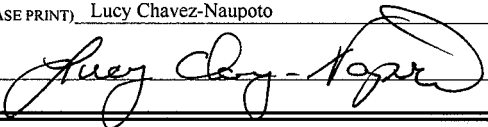
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The above subject well had workover procedures performed (injection leak), attached is a daily status report. On 11-11-09 Nathan Wiser with the EPA was contacted concerning the MIT on the above listed well. Permission was given at that time to perform the test on 11-12-09. On 11-12-09 the csg was pressured up to 1370 psig and charted for 30 minute with no pressure loss. The well was not injecting during the test. The tbg pressure was 200 psig during the test. There was not an EPA representative available to witness the test.

EPA UT 20642-03736
API# 43-013-31361

Amended

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

NAME (PLEASE PRINT) Lucy Chavez-Naupoto TITLE Production Clerk
SIGNATURE  DATE 11/18/2009

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NOV 19 2009

DIV. OF OIL, GAS & MINING

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 11 / 12 / 09

Test conducted by: New Field, Joe Pippy

Others present: _____

Well Name: <u>Monument 33-6-9-17</u>	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>33</u>	Sec: <u>6</u>	T <u>9</u> N <u>15</u> R <u>17</u> E/W County: <u>Duchesne</u> State: <u>Utah</u>
Operator: <u>New Field, Joe Pippy</u>		
Last MIT: <u> </u> / <u> </u> / <u> </u>	Maximum Allowable Pressure: <u>2120</u> PSIG	

Is this a regularly scheduled test? ☐ Yes ☒ No
 Initial test for permit? ☐ Yes ☐ No
 Test after well rework? ☒ Yes ☐ No
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0/200 psig

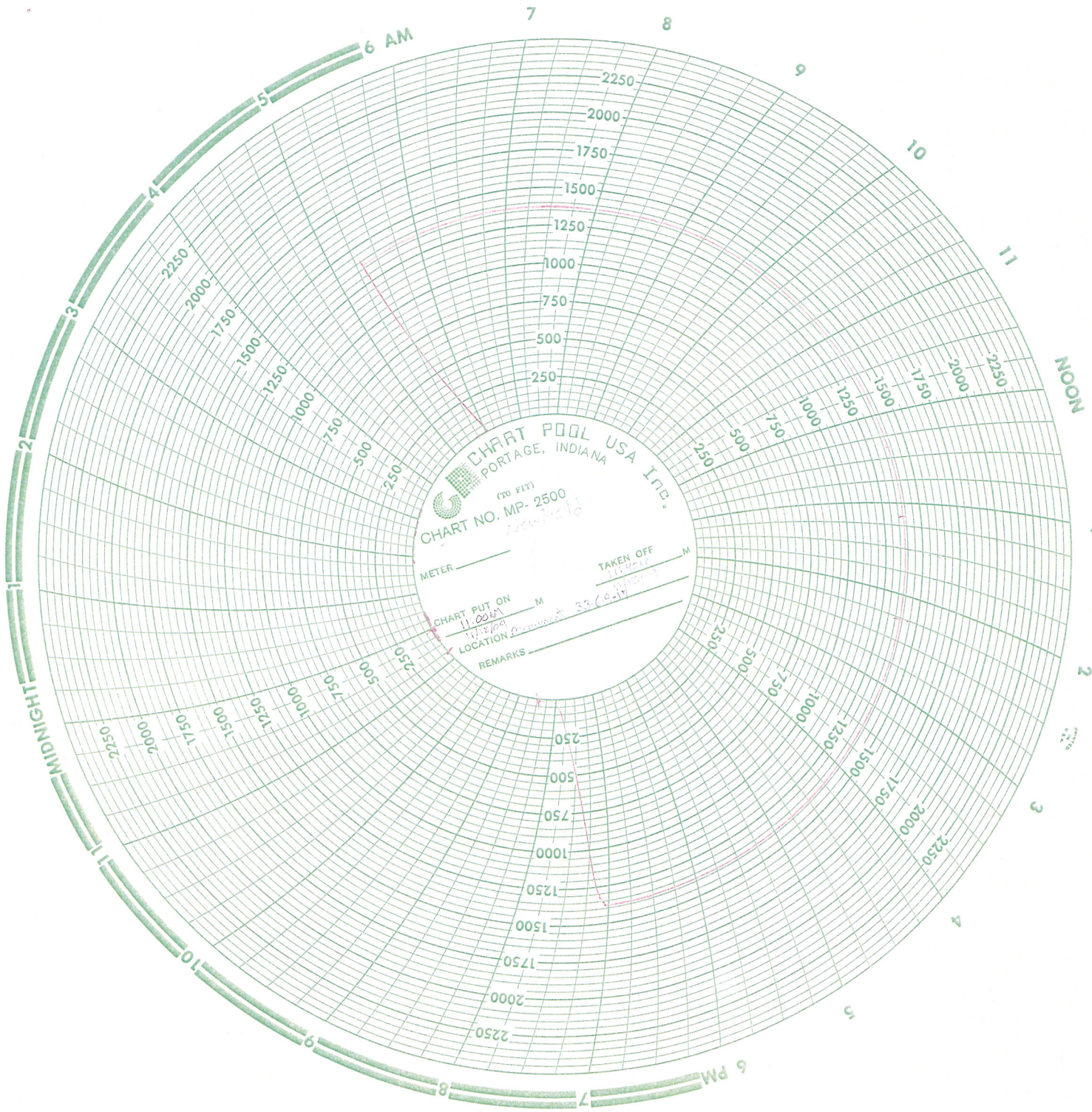
MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	1370 psig	psig	psig
End of test pressure	1370 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1370 psig	psig	psig
5 minutes	1370 psig	psig	psig
10 minutes	1370 psig	psig	psig
15 minutes	1370 psig	psig	psig
20 minutes	1370 psig	psig	psig
25 minutes	1370 psig	psig	psig
30 minutes	1370 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test ? ☐ Yes ☒ No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
<http://www.epa.gov/region08>

Ref: 8ENF-UFO

DEC - 2 2009

CERTIFIED MAIL 7005-1160-0005-3396-8558
RETURN RECEIPT REQUESTED

Mike Guinn, District Manager
Newfield Production Company
Route 3, Box 3630
Myton, Utah 84052

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

43 013 31361
95 17E 6

Re: Underground Injection Control (UIC)
Permission To Resume Injection
Monument Federal #33-6-9-17 Well
EPA Permit #UT20642-03736
Jonah Oil Field
Duchesne County, Utah

Dear Mr. Guinn:

On November 30, 2009, EPA received information from Newfield Production Company on the above referenced well concerning the workover to address its leaking tubing and packer and the followup mechanical integrity test (MIT) conducted on November 12, 2009. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before November 12, 2014.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

RECEIVED

DEC 08 2009

DIV. OF OIL, GAS & MINING

If you have any questions concerning this letter, you may contact Nathan Wiser at (303) 312-6211. Please direct all correspondence to the attention of Nathan Wiser at Mail Code 8ENF-UFO.

Sincerely,



for Mark A.R. Chalfant
Director
Technical Enforcement Program

cc: Curtis Cesspooch, Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Ferron Secakuku, Natural Resources Director
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

Gil Hunt
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-020252A
1. TYPE OF WELL Water Injection Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY		7. UNIT or CA AGREEMENT NAME: GMBU (GRRV)
3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052		8. WELL NAME and NUMBER: MONUMENT 33-6
PHONE NUMBER: 435 646-4825 Ext		9. API NUMBER: 43013313610000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1832 FSL 1829 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 06 Township: 09.0S Range: 17.0E Meridian: S		9. FIELD and POOL or WILDCAT: MONUMENT BUTTE
		COUNTY: DUCHESNE
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/13/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input checked="" type="checkbox"/> OTHER	
	OTHER: <input type="text" value="5 YR MIT"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. 5 YR MIT performed on the above listed well. On 10/13/2014 the casing was pressured up to 1211 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tbq pressure was 346 psig during the test. There was not an EPA representative available to witness the test. EPA #UT22197-03736		
		Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 27, 2014
NAME (PLEASE PRINT) Lucy Chavez-Naupoto	PHONE NUMBER 435 646-4874	TITLE Water Services Technician
SIGNATURE N/A	DATE 10/14/2014	

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 10/13/14Test conducted by: RILEY BAGLEYOthers present: PETE MONTAGUE

Well Name: _____	Type: ER SWD	Status: AC TA UC
Field: <u>Monument Butte</u>		
Location: <u>33</u> Sec: <u>6</u> T <u>9</u> N/S R <u>17</u> E/W	County: <u>Duchesne</u>	State: <u>UT</u>
Operator: <u>NEWFIELD Exp</u>		
Last MIT: <u>1</u> <u>1</u>	Maximum Allowable Pressure: <u>1788</u>	PSIG

Is this a regularly scheduled test? ☒ Yes ☐ No
 Initial test for permit? ☐ Yes ☒ No
 Test after well rework? ☐ Yes ☒ No
 Well injecting during test? ☐ Yes ☒ No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 0 / 346 TAG psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING	PRESSURE		
Initial Pressure	<u>346</u> psig	psig	psig
End of test pressure	<u>346</u> psig	psig	psig
CASING / TUBING	ANNULUS PRESSURE		
0 minutes	<u>1216</u> psig	psig	psig
5 minutes	<u>1215</u> psig	psig	psig
10 minutes	<u>1213</u> psig	psig	psig
15 minutes	<u>1213</u> psig	psig	psig
20 minutes	<u>1212</u> psig	psig	psig
25 minutes	<u>1212</u> psig	psig	psig
30 minutes	<u>1211</u> psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
RESULT	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

Does the annulus pressure build back up after the test? ☐ Yes ☐ No

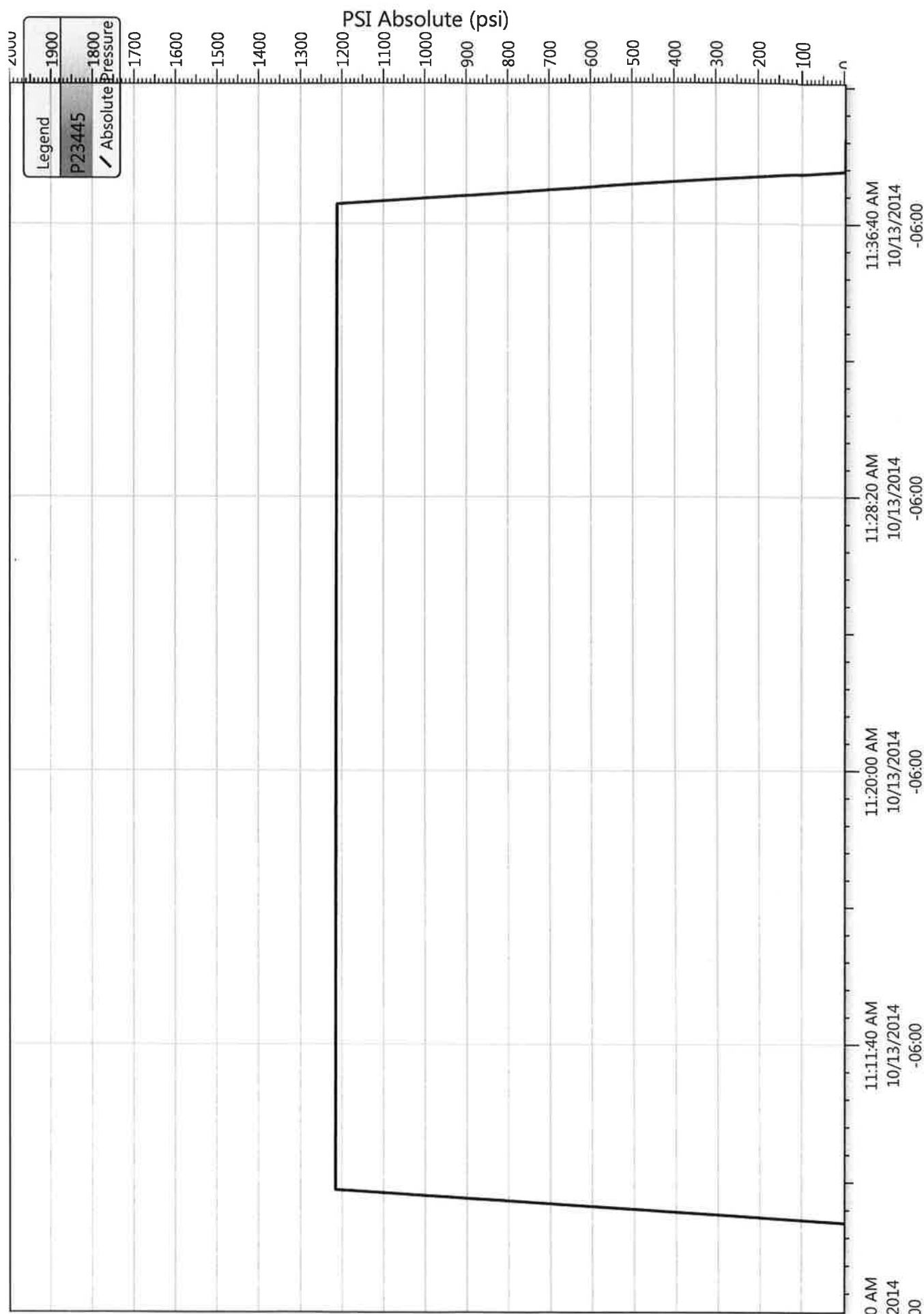
MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: _____

Monument Federal 33-6-9-17, 5 year MIT 10-13-14

10/13/2014 11:04:21 AM



Spud Date: 10/24/92
 Put on Production: 12/1/92
 Put on Injection: 1/21/93
 GI: 5267' KB: 5277'

Monument Federal #33-6-9-17

Initial Production: 5 BOPD,
 NM MCFD, 5 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
 GRADE: J-55
 WEIGHT: 24#
 LENGTH: 6 jts. (256.60')
 DEPTH LANDED: 256'
 HOLE SIZE: 12-1/4"
 CEMENT DATA: 161 sxs 75-25# w. 2% ccl + 1.4 sack Celoflake. 10 bbls back and did not fall down hole.

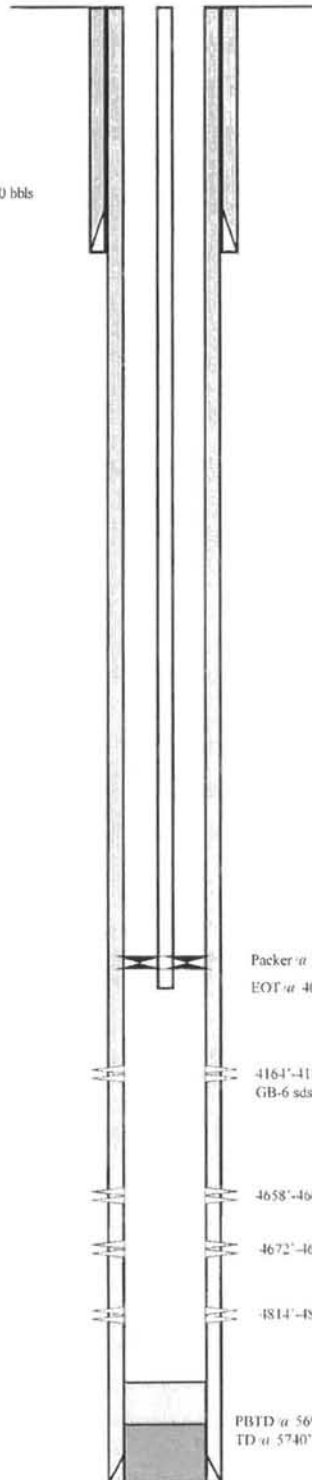
PRODUCTION CASING

CSG SIZE: 5-1/2"
 GRADE: J-55
 WEIGHT: 15.5#
 LENGTH: 125 jts. (5697')
 DEPTH LANDED: 5713'
 HOLE SIZE: 7-7/8"
 CEMENT DATA: 226 sxs hilit + 400 sxs C'lass "G"
 CEMENT TOP AT: 1230' per CBL

TUBING

SIZE GRADE WT.: 2-7/8" J-55 6.5#
 NO. OF JOINTS: 132 jts. (4073.57')
 SEATING NIPPLE: 2-7/8" (1.10')
 SN LANDED AT: 4085.83' KB
 PACKER SET AT: 4090.41'
 TOTAL STRING LENGTH: EOT AT 4093.83'

Injection Wellbore Diagram



FRAC JOB

11/28/92 4658'-4824' Frac as follows:
 610 bbls fluid. Treated at avg press of 2900 psi w avg rate of 32 BPM. ISIP 1850 psi.
 6/29/01 4164'-4188' Break GB perms as follows:
 Spot 2.5 bbls 15% HCl, + 23 bbl wtr across perms, let sit 30 min., break perms at 2300 psi, estab. injection rate at 3-4 bpm at 1100 psi.
 6/28/06 5 Year MIT completed and submitted.
 5-28-08 Zone Stimulation. Tubing details updated.
 11-12-09 Tubing leak update rod and tubing.

PERFORATION RECORD

11/26/92 4658'-4666' 4 holes
 11/26/92 4672'-4676' 2 holes
 11/26/92 4814'-4824' 6 holes
 6/29/01 4164'-4188' 96 holes

NEWFIELD

Monument Federal #33-6-9-17
 1832' FSL & 1829' FEL
 NWSE Section 6-T9S-R17E
 Duchesne Co, Utah
 API # 43-013-31361; Lease # U-020252-A